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1931
In Business
Fifty-four Years

Look at the Index. It's easy to find what you want

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Many of our customers, especially those living in Lycoming and adjoining counties, are acquainted with us personally; it's an honor to us, and a pleasure, to have you visit our store. Come in and make yourself at home. Ask us for information and make our store your headquarters while in Williamsport; if you can't come, be friendly and write occasionally.

We solicit your continued patronage on the merit of our seeds and the fairness of our prices.

**HARRY CHAAPEL
P. A. MCGOWAN**

January, 1931

CHAAPEL'S SEED STORE

Use the ORDER SHEET and ENVELOPE Combined. It is Convenient

ORDER TODAY BY MAIL

CHAAPPEL'S SEEDS

Are as Near to You as Your Nearest Mail-Box

RECEIVE TOMORROW BY MAIL

Importance of Ordering Early. Before the rush season begins we can give you better service, for our stocks will then be complete. Being sold out of some varieties entails correspondence and delays, so on receipt of this catalogue make out your order and mail it to us immediately.

MAKING OUT ORDERS. Be sure to use the order sheet and follow the directions given.

PRICES. The prices quoted in this catalogue are net, and not subject to discount. Where prices are quoted postpaid, they apply only to the first and second postal zones from Williamsport.

How to Order Seeds by Parcel Post. We earnestly advise that all light shipments go by Parcel Post whenever possible. We will pay postage on all small seeds in packets, and in bulk up to $\frac{1}{4}$ pound, anywhere in the United States. Up to 70 pounds, we can send seeds in any quantity. Within the First and Second Zones from Williamsport, add to your remittance for postage as follows: 1-pound orders, 7 cents; for each additional pound, 1 cent; on Peas, Beans, and Corn, 10 cents for the first quart and 2 cents for each additional quart. For rates to other Zones, inquire of your postmaster. The necessary postage must be sent with the order. Orders received without the necessary postage will be sent C.O.D. for amount of postage.

EXPRESS AND FREIGHT SHIPMENTS. If you wish your seeds to come by Express or Freight, we can send them collect and you can pay the transportation charges on delivery.

HOW TO SEND MONEY. Remittances should be made by Post Office Money Orders, Express Money Orders, Drafts, or Checks. Where it is not possible to obtain these, the letter should be registered.

CASH WITH ORDER. Customers will please remit when ordering. If goods are wanted C.O.D., 25 per cent, or one-fourth of the amount, must accompany the order.

Prices quoted in this Catalogue are subject to change without notice

5	1931 MAIL ORDER CERTIFICATE 1931	5
CHAAPPEL'S SEED STORE	<p align="center">USE THIS PROFIT-SHARING CERTIFICATE</p> <p>FOR over FIFTY YEARS the home-gardeners, market-gardeners, and farmers have ordered seeds from Chaapel's Seed Store. To show our appreciation of the confidence placed in us during this period, we are now giving this Profit-sharing Certificate to all our customers who order Vegetable and Flower Seeds from Chaapel's Seed Store. This Certificate applies on orders for Flower and Vegetable seeds only.</p> <p align="center">5</p> <p align="center">CENTS VALUE IN SEEDS</p> <p align="center"><i>This Profit-Sharing Certificate Counts as Cash</i></p>	CHAAPPEL'S SEED STORE
	<p>DURING 1931 Chaapel's Seed Store will redeem this Certificate allowing 5 cents for every 50-cent portion of your order for Flower and Vegetable seeds. As an example, suppose your order for Vegetable and Flower Seeds amounts to \$3 at prices published in this Catalogue, then you may add to your order seeds to the amount of 30 cents, which we will send you free with your order by using this Profit-sharing Certificate.</p>	
5	1931 MAIL ORDER CERTIFICATE 1931	5

39 E. Third St. }
40 E. Willow St. } **WILLIAMSPORT, PA.**

CHAAPPEL'S SEED STORE

JANUARY, 1931



Chaapel's Guarantee for 1931



We **guarantee** the seeds and bulbs we sell to be true to name and of high germination. Our **guarantee** is that should they fail to grow if properly and promptly tested for germination and purity by our customers, we will replace the same or give full value in other seeds.

Seeds MUST be right, but it is just as necessary that the soil be suitable and well prepared, that the planting be done properly and at the right time, and that the weather be not too unfavorable.

BY TEST WE KNOW THAT THESE SEEDS ARE OF GOOD VITALITY. To you is given to select and prepare the soil and to give the proper care. Providence alone governs the weather.



**The Home of Chaapel's Seed Store
39 East Third Street**

Warehouses for the storage of Seeds, Fertilizers, Farm Implements, and Poultry Feeds situated at 40 East Willow Street, and Canal and State streets.

As we cannot personally direct the planting of the seeds and bulbs we sell, as well as the preparing of the ground, or control the weather or natural laws affecting the germination and growth of plants, it is therefore agreed that in **no** case shall Chaapel's Seed Store be liable for more than the amount actually paid for the **seeds or bulbs** thus failing to produce.

Without additional cost to our customers, we guarantee the safe arrival at your home of the orders you send to Chaapel's Seed Store.

WE ARE SPECIALISTS

While we do not claim to be able to furnish you with everything you need, we are specialists on agricultural requirements, and as specialists we know that the merchandise offered in this Catalogue is of the highest possible quality. We are equipped to give you excellent service, and we want you, who are taking the trouble to read this, to understand our position. We want your business and in return will give you service and supply you with high-quality agricultural merchandise at a fair price.

Send your orders to a seed-house that has for 54 years studied the varieties best suited to your locality, a seed-house that handles only the best seeds that can be grown, a seed-house that guarantees every package of seed sent out by them.



CHAAPEL'S SEED STORE

The Oldest Seed Store in Central Pennsylvania

**HARRY CHAAPEL
P. A. MCGOWAN**

WILLIAMSPORT, PA.



Popular Flower Seeds

Each year the interest in flowers for garden and home decoration increases and more people turn to the growing of flowers for recreation and pleasure. Flower-lovers will find a number of new varieties in our lists this year, as well as all of the old friends. We have devoted most of our attention to the "annuals," that is, the kinds which grow, produce flowers, mature, and die the same season, since these are generally found most satisfactory in the average garden. Among the annuals are flowers for every purpose, tall and low-growing, trailing and climbing, for cutting and for garden display. All Flower Seeds are sent postpaid to your door.

All varieties not designated by HP are annuals, blooming the first season

HARDY PERENNIALS ARE DESIGNATED BY HP

There are a number of perennial varieties that will bloom the first season if sown very early; other varieties should be sown later, giving a continual riot of color year after year. Your attention is called to these extra good perennials which are described in the following pages. Find them in the index.

Alyssum saxatile compactum
Aconitum (Monkshood)
Aquilegia (Columbine)
Armeria (Sea Pink; Thrift)
Arabis (Rock Cress)
Asters, Hardy
Aubrietia (Rainbow Rock Cress)
Bellis (English Daisy)
Canterbury Bells
Carnation, Marguerite
Carnation, Chabaud's Giant
Double

Chinese Lantern Plant
Coreopsis lanceolata grandiflora
Daisy, Shasta
Delphinium (Larkspur)
Digitalis (Foxglove)
Forget-me-not
Gaillardia (Blanket Flower)
Gypsophila (Baby's Breath)
Hollyhock
Honesty (Moonwort; Satin Flower)
Iberis (Candytuft)
Linaria (Kenilworth Ivy)

Linum (Perennial Flax)
Lupine (Polyphyllus)
Lychnis chalcidonica
Platycodon (Balloon Flower)
Poppy, Oriental
Potentilla (Cinquefoil)
Pyrethrum roseum
Sweet William
Statice (Sea Lavender)
Tunica
Valeriana (Garden Heliotrope)
Wallflower

Most all of these are offered in 10-ct. pkts., 6 for 50 cts. Also in bulk at very low prices

FERTILIZERS MAKE FLOWERS GROW AND BLOOM

Most annual flowers, due to their short season of growth and profuse bloom, are heavy feeders and require an abundance of a quick-acting fertilizer. Nitrate of Soda and Sheep Manure are particularly adapted for this class of plants. The Sheep Manure should be applied at the time of planting; the Nitrate of Soda several times during the season. The perennial plants are slower growers and for that reason the less active fertilizers, such as Bone-Meal and our Special Garden Fertilizer, meet their requirements. Either should be applied at time of planting and supplementary applications should be made during the life of the plant. For prices see pages 50 and 51.

Popular Annuals in Convenient Groups for a Choice

Annuals for Edgings

Ageratum
Alyssum
Aster
Candytuft
Forget-me-not
Marigold
Nasturtium
Pansy
Petunia
Phlox
Portulaca
Salvia
Verbena
Zinnia

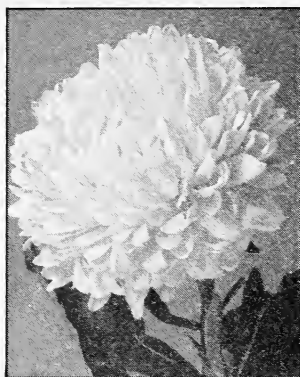
Annuals for Cut-Flowers

Antirrhinum
Aster
Bachelor Button
Calendula
Cosmos
Gaillardia
Gypsophila
Marguerite
Marigold
Mignonette
Phlox
Scabiosa
Sweet Pea
Zinnia

Annuals for Fragrance

Alyssum
Candytuft
Dianthus
Mignonette
Nicotiana

PRICE OF FLOWER SEEDS. All flower seeds are put up in large generous quantities in beautiful packets lithographed in colors with common sense cultural directions, and should not be compared to the common bargain seeds sometimes offered to attract attention. All 5-ct. packets, 6 for 25 cts.; all 10-ct. packets, 6 for 50 cts., entirely your selection. Prices for ounces or fractions of an ounce are very liberal for those who need more than packets



Branching Aster



Giant Crego Aster



Queen of the Market Aster

Chaapel's Superb Asters

Of all the flowers in the garden, none will give more genuine satisfaction than the Aster. The early sorts begin to bloom in midsummer, and the late varieties carry the garden well into chrysanthemum-time.

Hints for Sowing Aster Seed

Just exactly as fine flowers are obtainable from outdoor-grown plants as from those started inside, except in the case of the earliest varieties which must be sown inside very early. All our own Aster seed is raised on outdoor-grown plants.

The easiest way to grow Aster plants is to sow the seed in rows in the vegetable-garden or flower-bed in some position that is well protected from cold winds, yet fully exposed to the sunlight. If this is done in April or early May, as soon as the ground can be worked, the plants will come along in time for a full crop of flowers.

As soon as up they should be thinned to $\frac{1}{2}$ inch apart in the row, in order to make good, hardy, stocky plants. These will be ready to transplant into the field, $1\frac{1}{2}$ feet apart each way, by the first to the middle of June.

Special Long-branching Aster

The Long-branching Asters are known wherever Asters are grown. The plants are large and vigorous, the stems long and strong, and the great fluffy flowers, as we now grow them, are double to the center. There are other Asters, exquisite in form and delicate in color, but the Long-branching Aster is still the leading variety in all the flower-markets in the country and still holds the first place in the garden of the amateur.

Shell-Pink	Lavender	Purple
White	Rose-Pink	Choice Mixed

Pkt. 10 cts., 3 pkts. 25 cts., $\frac{1}{4}$ oz. 50 cts.

Giant Crego or Comet Aster

The twisted and curled petals give the flower the appearance of a huge, flat chrysanthemum. The flowers are very large, often measuring 5 inches in diameter. The strong, erect stems average 20 to 24 inches in length. Though the flowers are large, they are produced in abundance. This is perhaps the most graceful of the Asters. Charming when cut. (See illustration.)

White	Rose-Pink	Purple
Shell-Pink	Lavender	Mixed

Pkt. 10 cts., 3 pkts. 25 cts., $\frac{1}{4}$ oz. 50 cts.

Queen of the Market Aster

Largely grown by commercial florists for cut-flowers and for early market. The plants have an open, spreading habit, and the large, double flowers have a loose and graceful appearance. Seed should be sown quite early in the house. **Mixed.** Pkt. 10 cts., 3 pkts. 25 cts., $\frac{1}{4}$ oz. 35 cts.

Special prices to florists and gardeners who grow for market.



Hardy Asters

Fall-flowering Hardy Asters

Michaelmas Daisies; Starworts

These are among the showiest of our late-flowering hardy plants, giving a wealth of bloom during September and October, a season when most other hardy flowers are past, and for the best effect should be planted in masses of one color. They grow freely in any soil. Height, 3 feet. Pkt. 15 cts., $\frac{1}{4}$ oz. 45 cts.

Do not plant Asters on the same ground continuously. Fertilize with mineral fertilizers only. Tobacco Dust added to the soil when transplanting Asters, at the rate of one ounce to the plant, aids in controlling root aphids. See page 53.

To germinate fine vegetable and flower seed, sow seeds on top of ground, press into the soil, put a damp burlap bag over the seed. Do not allow it to dry out; keep moist. Remove bag when seeds are up.

The Newer Asters of Real Merit

These American-grown Asters embrace several distinct types and colors, which we feel sure will, on account of their free growth, profuse flowering, large size, and general excellence, give entire satisfaction to the most critical growers of this popular flower. The high quality of flowers that can be grown from these newer sorts will prove very profitable and pleasing to the successful grower.



New California Giants

In this splendid new strain, the earliness and the beautiful fluffy Comet type of flower of the Crego Asters is combined with the giant size and vigor of the American. The flowers are full-centered and substantial, averaging 5 to 6 inches across, and produced on stout stems 1½ to 2 feet long without dis-budding. Our seed is direct from the California growers of this superb new Aster. **Finest Mixed, all colors.** Pkt. 15 cts., ¼oz. 60 cts., ¼oz. \$1.

Ball's White (Florist's White Aster)

A large, white Aster that has been quite popular with the florists. Its flowers are supposed to be so full and double that the petals appear to be heaped on top of each other. The stems are stiff and non-lateral, and the season the same as Late Branching. Pkt. 15 cts., ¼oz. 60 cts., ¼oz. \$1.

Crimson Giant (A Dark Crimson Aster)

This is a striking color, brilliant crimson, which goes well with the massiveness of the well-formed flowers. The blooms are carried on fine long stems and make excellent cut-flowers. Produces a wealth of fine blooms. Pkt. 10 cts., ¼oz. 30 cts., ¼oz. 50 cts., ½oz. 85 cts.

Moreton Pink

The only Aster of this color—a rich, clear, cerise-pink that is most attractive. The flowers are large, full, double, with long twisted petals. The plant is of a branching habit with good clean stems, free from the small side blooms. It is invariably declared to be the prettiest Aster ever seen. Pkt. 10 cts., ¼oz. 30 cts., ¼oz. 50 cts.



Heart of France

A Pure Red Aster

This beautiful new variety opens as red as the purest ruby, deepens with age and retains its remarkable color to the very end. The petals appear strikingly changeable, at one time showing a glow and sheen quite unique, and at another a soft, warm, velvety texture. Its flowers command instant admiration and the plants are of the branching type, of very robust habit. 1½ to 2 feet tall. The stems are long with few laterals. Pkt. 15 cts., ¼oz. 60 cts., ¼oz. \$1.

New Sunshine Aster

One of California's latest productions

A new type of Aster and the most interesting ever introduced. It is entirely distinct from any other kind, and in many ways much more desirable. The flowers have long, wavy petals and a cushion center of small, feathery quills of a different shade than the petals. Plants sturdy and strong, with long, stiff flower-stems. A novelty we highly recommend. **Mixed Colors.** Pkt. 25 cts., 2 pkts. 40 cts.



Sunshine Asters

Free. One packet of New Sunshine Aster free with a Flower Seed Order of \$1 or more, provided the request comes with the order. Use the order sheet.

COLLECTION OF THE SIX AMERICAN ASTERS

One packet each of the 6 splendid sorts described above—a really fine collection—for only 75 cts., postpaid



African Golden Daisy



Ageratum



Aconitum

Aconitum • Monkshood; Wolfsbane HP

Napellus. Grows in any good garden soil, producing long spikes of blue and white flowers. Well adapted for planting among shrubbery or in shady corners. Seed is of slow germination. Height, 3 to 5 feet. Pkt. 15 cts., $\frac{1}{16}$ oz. 40 cts.

African Golden Daisy (*Dimorphotheca aurantiaca*)

An extremely showy annual Daisy from South Africa, which suits our climatic conditions perfectly. The bushy plant grows 12 inches high, and the flowers, which are $2\frac{1}{2}$ inches across, are a rich glossy orange-yellow, with dark disc and halo. Blooms continuously. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.

Ageratum • Floss Flower

Blue Perfection. Valued for its pretty, deep lavender-blue flowers which are borne in great profusion. Height, 1 foot. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Alyssum

White Carpet. Dwarf, compact plants, densely covered with large, pure white flowers. Height, 4 inches. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., oz. 75 cts.

Sweet. The popular old-fashioned sort, the best for broad edges and vases; pure white. Height, 6 inches. Pkt. 5 cts., $\frac{1}{4}$ oz. 15 cts., oz. 40 cts.

Saxatile compactum. Golden Tuft. HP. A useful little border and rockery plant growing not over 12 inches high, covered with enveloping flat clusters of bright golden yellow flowers early in summer. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts.

Arabis • Rock Cress HP

Alpina. A hardy perennial and one of the earliest and prettiest spring flowers. The spreading tufts are covered with a sheet of pure white flowers as soon as the snow disappears. Unequalled for rockeries or edging; withstands the drought and is always neat. 6 to 9 inches. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 40 cts.

Armeria • Sea Pink; Thrift HP

Formosa. A very pretty edging plant, bearing rosy pink flowers. Height, 1 foot. Pkt. 15 cts., $\frac{1}{16}$ oz. 40 cts.

Aubrietia • Rainbow Rock Cress HP

Pretty, dwarf-growing plants suitable for the rockery or for the edge of the border. They form masses of silvery green foliage and sheets of various colored flowers in spring and early summer. **Mixed.** Pkt. 15 cts., $\frac{1}{8}$ oz. 45c.

Blue Lace Flower (*Didiscus cœrulea*)

You will be delighted with this easily grown annual. Carried on stems 2 feet long are broad, lace-like heads composed of many delicate light blue flowers. Excellent for garden display and for cutting, bearing a profusion of flowers from June until September. Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts.



Alyssum



Blue Lace Flower



Chrysanthemum, Painted Daisy



Gaillardia



Chinese Lantern Plant

Browallia · Amethyst

Browallias are excellent for planting in mixed borders or porch-boxes. Planted where the long branches can spread out and hang over, as in porch-boxes, jardinières, or urns, they give a natural and graceful display. They make a wonderful display with their profusion of bright blue and pure white blooms. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., $\frac{1}{4}$ oz. 60 cts.

Balsam · Lady's Slipper

An old and favorite garden flower, producing its gorgeous masses of beautiful, brilliantly colored, double flowers in the greatest profusion; of easy culture. **Choice Mixed Colors.** Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Blanket Flower · Gaillardia

The heads of star-shaped, tufted flowers are greatly admired for their rich blending of red, yellow, and orange. Height, $1\frac{1}{2}$ feet.

Hardy Perennials, Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Annual Varieties, Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Bachelor's Buttons or Cornflower

(*Centaurea cyanus*)

The new double Cornflowers, or Bachelor's Buttons, make most excellent flowers for both the bouquet and garden, blossoming profusely until snow flies. The flowers are double, of good clear colors, and with long, graceful stems for cutting.

Double Blue. Clear cornflower-blue. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Double, Mixed Colors. All shades. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts.

Chrysanthemum · Painted Daisy

Blooming profusely from early summer until frost, they are most effective and showy. The bright-colored, daisy-like flowers are useful for cutting, lasting well in water. Height, 1 to $1\frac{1}{2}$ feet.

Single Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Chinese Lantern Plant (*Physalis Francheti*) HP

A very highly interesting hardy perennial plant growing 2 feet high, covered with bright orange-scarlet fruits resembling Chinese lanterns. These fruits may be cut and dried for winter bouquets. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts., $\frac{1}{2}$ oz. 90 cts.

Cacalia · Tassel Flower

A half-hardy annual of easy culture, with tassel-shaped flowers from July to September. Fine for borders. Height, $1\frac{1}{2}$ feet.

Mixed Colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 40 cts.

English Daisy · Bellis perennis HP

Dwarf, early spring-blooming favorites; very double. Fine for borders, requiring partial shade in hot weather. Height, 4 inches.

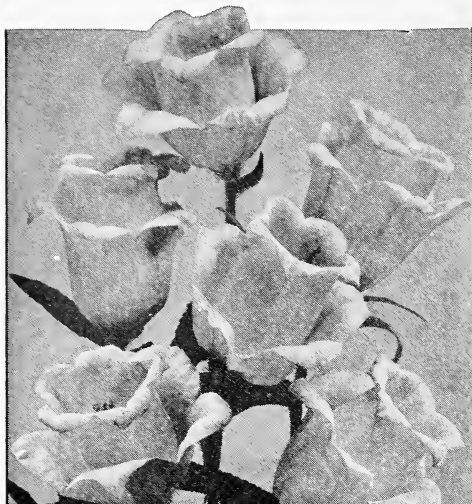
Finest Mixed. Pkt. 10 cts., $\frac{1}{8}$ oz. 45 cts.



Browallia



Bachelor's Buttons



Canterbury Bells



Extra-Early Giant Cosmos

Canterbury Bells HP

The Campanulas, or Canterbury Bells, produce their best crop of flowers the second season. Sow the seed any time from early June to August, and protect the plants with straw or leaves over winter.

Campanula calycanthem.

The true Cup-and-Saucer Canterbury Bells. White, Pink, and Blue. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts., $\frac{1}{4}$ oz. 50 cts.

Campanula medium (Single

Canterbury Bells). The old-fashioned sorts, with beautiful, large, bell-shaped blossoms. Height, 2 feet. **Mixed Colors.** Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.



Double-Crested Cosmos

Cosmos

The early-blooming sorts are most satisfactory because of the long season over which they produce their profusion of flowers in delicate shades of pink, red, and white.

Extra-Early Giant, Mixed.

Seed sown early will produce plants covered with fine flowers two months before the late-flowering kinds. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

Double-Crested, Mixed.

A new and distinct type of early, large-flowering Cosmos, the center being full double, giving a crested effect. A well-balanced mixture. Pkt. 15 cts., $\frac{1}{8}$ oz. 25 cts.

Hardy Coreopsis HP

Lanceolata grandiflora. Beautiful hardy perennials that grow 15 to 18 inches high and produce their golden yellow flowers in great profusion. Easily grown from seed, flowering the first year if sown early. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.



Hardy Coreopsis

Annual Calliopsis

Produces flowers in nearly every shade of yellow, orange, crimson, red, and brown. Will grow in any situation and always be admired. Sow where they are to remain, and thin to 1 foot apart. **Fine Mixed Colors.** Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts.

Columbine · Aquilegia HP

One of the most popular perennials, easy of cultivation and flowering from May to August. Very desirable for herbaceous borders and groups among shrubbery.

Single, Finest Mixed. Pkt. 10 cts., 3 pkts. 25 cts., $\frac{1}{8}$ oz. 40 cts.

Cærulea (Rocky Mountain Columbine). Long-spurred blossoms of a soft lavender-blue and white combination are produced in May and June. Very effective combined with pinks and yellows. Pkt. 20 cts., $\frac{1}{8}$ oz. 55 cts.

Cockscomb (*Celosia cristata*)

As showy and attractive an annual as can be imagined. Of decidedly odd appearance, with a tremendous head or comb of velvety finish but of a strawy touch. Good for display in the garden and for cutting.

Glasgow Prize. Immense, showy, dark crimson combs. Height, 1 foot. Pkt. 10 cts., $\frac{1}{8}$ oz. 35 cts.



Giant Hyacinth-flowered Candytuft

Candytuft

A very hardy, easily grown little annual that is a universal favorite for beds and masses. Successive sowings should be made during the summer, while the last sowing in the autumn will produce flowers early in the spring. Height, 1 foot. One packet will sow 15 feet.

Giant Hyacinth-flowered or Improved Empress. The finest of all white varieties. The long, heavy spikes of large flowers resemble a white hyacinth. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., oz. 60 cts.

Mixed Colors. A special mixture we make up of a number of separate colors, assuring a well-balanced assortment. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts.

Hardy Candytuft (Iberis)

The Iberis or Candytuft is very desirable for the hardy perennial border, growing 1 foot high, with white flowers, shading to lilac. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts.

Cynoglossum

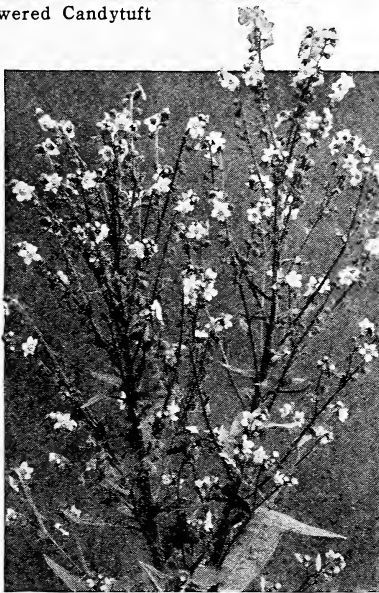
Chinese Forget-me-not

Amabile, Blue. An annual of the easiest culture, forming strong, bushy plants $1\frac{1}{2}$ feet high and producing sprays of intense blue forget-me-not-like flowers throughout the summer. Unsurpassed for massed blue bouquets. Highly desirable, as blue flowers of this shade are scarce. Sow outdoors in May. Pkt. 15 cts., $\frac{1}{8}$ oz. 25 cts.

Carnation, Chabaud's Giant Double HP

They excel any strains we have ever seen. Coming into flower in four to five months after planting the seed, they continue to bloom the remainder of the summer until frost. Plants are of robust, upright habit. They form ten to twenty stalks bearing huge flowers comparing with the finest greenhouse-grown varieties. Highly scented.

Finest Mixed. Pkt. 25 cts., 5 pkts. \$1, $\frac{1}{8}$ oz. \$1.20, $\frac{1}{4}$ oz. \$2.



Cynoglossum amabile



Calendula, Pot Marigold

Calendula

Pot Marigold

This is the "Marygold" of Shakespeare's time, one of the best and showiest free-flowering hardy annuals, growing in any good garden soil, producing a fine effect in beds or mixed borders, particularly bright in late fall, continuing to bloom from early summer until killed by frost.

Orange King. An extra-fine strain of this splendid, double, rich orange-red variety, producing flowers over 3 inches in diameter. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Ball's Orange Improved. Special florists' strain. A beautiful compact glowing orange. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

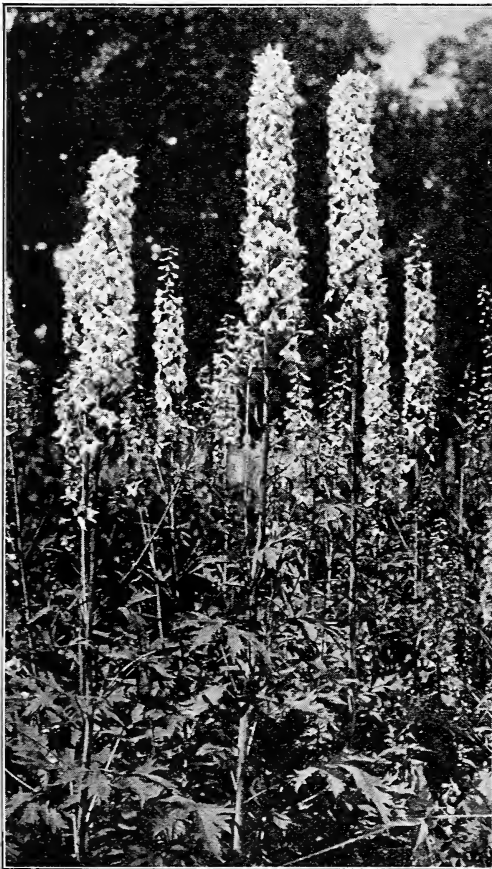
Mixed, All Double Sorts. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts.



Carnation, Chabaud's Giant Double



California Poppies



Delphiniums

Marguerite Carnation HP

An improved, large-flowering strain of Pinks, blooming in three to four months after sowing. The flowers are very fragrant, and last for a long time when cut.

Mixed Colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.

Castor-Oil Bean • Ricinus

Plants of stately growth and picturesque foliage, combined with brilliant colored fruit, producing an oriental effect. Fine for lawns and pleasure-grounds.

Zanzibariensis. A distinct class which surpasses all varieties in size and beauty. The ornamental leaves, beautifully lobed, are $2\frac{1}{2}$ to 4 feet across. Height, 12 feet. Pkt. 10 cts., oz. 20 cts.

Mixed. All sorts. Pkt. 10 cts., oz. 20 cts.

California Poppy • Eschscholtzia

Eschscholtzias are among our most beautiful and popular annuals, being of the easiest culture. Spring-sown seeds flower profusely from July until late autumn. An invaluable bedding plant. Sow the seed where the plants are to remain. Height, 1 foot.

New Hybrid, Mixed. This mixture has been saved from a number of new sorts of wonderful colorings, including old-gold, fire-red, cream, and many other rich and unusual tones. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Aurantiaca. Rich golden orange. This is the true California Poppy that the tourists rave so much about. It is, perhaps, the most desirable where one color is wanted. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts., $\frac{1}{4}$ oz. 30 cts., oz. \$1.

Cardinal Climber

(*Ipomœa quamoclit hybrida*)

A brilliant and beautiful climber, growing rapidly and attaining a height of 30 feet. Foliage fern-like; flowers cardinal-red, $1\frac{1}{2}$ inches across, borne in clusters and produced in great profusion from mid-summer until frost. The seed should be started indoors, but may be sown in the open in late May. Soaking the seed or notching the seed-coat will hasten germination. Pkt. 10 cts., 3 pkts. 25 cts., $\frac{1}{8}$ oz. 50 cts.

Delphinium • Hardy Larkspur HP

One of our most showy and useful hardy perennial plants, possessing almost every requisite for the adornment of the garden, producing splendid spikes of flowers in profusion throughout the summer.

Belladonna. This is one of the most free and continuous blooming varieties. Immense spikes of lovely pale blue. Height, 4 feet. Pkt. 20 cts.

Bellamosa. A very dark blue variety of particular value for deliberate dark blue mass effect, and a striking contrast in connection with the azure shade of Belladonna. Pkt. 20 cts., 2 pkts. 35 cts.

Gold Medal Hybrids. Plants vigorous, free-blooming, with flower-spikes 2 feet long. Grand assortment of colors in mixture, ranging from lightest blue to purple. Pkt. 15 cts., 2 pkts. 25 cts., $\frac{1}{8}$ oz. 40 cts.

We sell only the best grade of seed, tested for purity and vitality—put up in liberal quantity in beautifully colored lithographed packets with reliable directions for culture. Select any 10-cent packets, 6 for 50 cts.; 5-cent packets, 6 for 25 cts.

Dianthus · Pinks

A most satisfactory class of flowers, easily raised from seed, which are in constant bloom the entire season; fragrant.

Heddewigi (Single Japan Pink). Finest single-flowered.

Mixed, pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Heddewigi fl.-pl. (Double Japan Pink). Colors varying from the richest crimson to the most delicate rose. **Mixed**. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

Forget-Me-Not (*Myosotis palustris*) HP

Neat and beautiful little plants with star-like flowers; succeed best in a shady situation. Half-hardy perennials, blooming the first year from seed. Height, 6 inches. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Four o'Clock (*Marvel of Peru*)

A well-known garden favorite of bushy habit bearing, during the season, hundreds of white, yellow, crimson, and violet flowers. Height, 2 feet.

Fine Mixed. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts.

Foxglove (*Digitalis*) HP

Handsome and highly ornamental, hardy perennial plant, of stately growth and varied colors. Height, 3 feet. See cut.

Fine Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

GAILLARDIA. See Blanket Flower.

Gypsophila · Baby's Breath

Annuals and early-flowering perennials, bearing graceful panicles of small flowers that are elegant for cutting and for bunching with other flowers.

Elegans alba grandiflora. An improved form of the annual Baby's Breath. Pure white, large flowers. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts.

Paniculata. HP. White flowers, fine for bouquets; hardy perennials. Blooms first year if sown early. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Gourds

Ornamental Varieties, Mixed. Includes a great number of interesting and diverse forms of the Gourd family. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts.

Hollyhock HP

Chater's Superb Double Mixed. One of the most popular and desirable of hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers. Height, 6 to 7 feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 30 cts., $\frac{1}{4}$ oz. 50 cts.

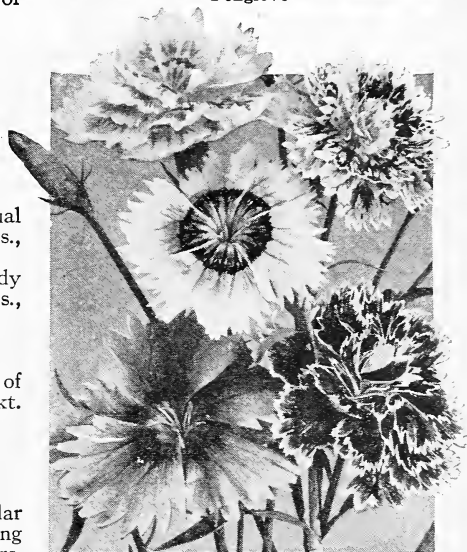
Single Mixed. Probably the most showy of the many good old-fashioned flowers. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts.

Honesty · Lunaria (*Moonwort*; *Satin Flower*)

Biennis. Hardy biennials, but grown as annuals. Admired for their silvery seed-pouches which are used for house ornaments, as they present a beautiful and rather curious appearance. Height, 3 feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 20 cts.



Foxglove



Double and Single Japan Pinks



Gypsophila paniculata

You can't go on growing crops year in and year out unless you put back into the soil the plant-food elements removed by each season's crop.

SACCO PLANT-FOOD MAKES THINGS GROW

Clean, Odorless, Easy to Apply

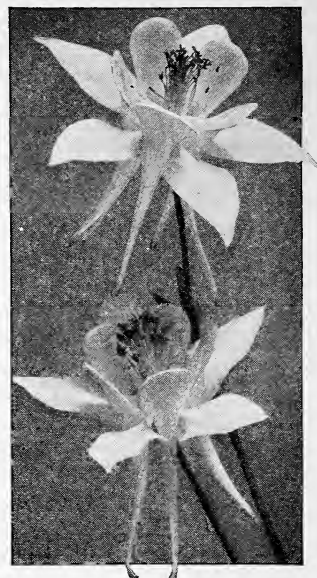
Sacco Plant-Food is a specially prepared fertilizer that supplies every necessary element for healthy plant-growth—Nitrogen, Phosphates, and Potash combined in exactly the right proportions. It produces truly amazing results with few applications. See page 50 for prices, etc.



Nicotiana, Flowering Tobacco



Larkspur, Empress Rose



Aquilegia, Columbine

Hyacinth Bean • Dolichos

Rapid-growing climber, bearing a profusion of bean-like flowers. **Mixed.** Pkt. 10 cts., oz. 15 cts.

Ice Plant

(*Mesembryanthemum*)

The leaves appear as if covered with a coating of thin ice. This annual plant is grown among other annuals or perennials as a ground cover and is particularly suited for the rock-garden or hanging-baskets. The small, inconspicuous flowers are either white or light pink. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

New Annual Larkspur

Empress Rose. A rich rhodonite-pink changing to hermosa-pink with no trace of mauve. This magnificent new strain is a double, everblooming, super-branching Larkspur and grows over 6 feet tall. The mammoth florets are well placed on the stem, not overcrowding, and coming practically 100 per cent true. As a cut-flower, Empress Rose is unsurpassed for color, keeping qualities, and for its tall-branching habit. See picture above. Pkt. 20 cts., $\frac{1}{8}$ oz. 35 cts., $\frac{1}{4}$ oz. 60 cts.

Annual Larkspur, Mixed Choice Colors. Fine for cutting. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Leptosiphon

Hybridus. A fine annual rock-plant 3 inches high, forming dense cushions studded with dainty flowers ranging in color from yellow to rose-scarlet. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts., $\frac{1}{2}$ oz. 50 cts.

Lobelia

A most excellent and useful genus of annual plants, easy of culture and well adapted for bedding, hedging, hanging-baskets, pots, or rockeries. Seed should be covered lightly. **Mixed.** Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts.

Linaria • Kenilworth Ivy HP

Cymbalaria. An excellent perennial plant with small, bright green leaves and attractive little lilac-blue flowers. It will form a solid mass or cover and is excellent for rock-gardens. Pkt. 15 cts., $\frac{1}{8}$ oz. 45 cts., $\frac{1}{4}$ oz. 75 cts.

Perennial Flax • Linum

Sibiricum. Large, beautiful, light blue flowers, borne profusely during June, July, and August. The attractive blooms last only for one day, but they are borne continuously for many weeks. The plants grow from 15 to 24 inches tall. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 40 cts., oz. 70 cts.

A Few Good Books Which Will Help You

VEGETABLE GARDENING. By R. L. Watts. This complete, concise, and authentic book covers every phase of vegetable gardening. 511 pages. Cloth. **\$2.75, ppd.**

Roadside Marketing. By Gilbert S. Watts. Increase your profits from the roadside market. Information on structures, packing, grading, displaying, managing, and advertising. 126 pages. Cloth. **\$1.25, postpaid.**

THE BOOK OF ANNUALS. By Prof. Alfred C. Hottes. A reliable guide through the season of annual bloom. Over 100 separate species are described with full directions for their culture and uses. 182 pages. Cloth. **\$1.65, postpaid.**

A LITTLE BOOK OF PERENNIALS. By Prof. Alfred C. Hottes. Devoted to the general principles of growing, using, selecting and propagating perennials. 200 pages. Cloth. **\$1.65, postpaid.**

1,001 GARDEN QUESTIONS ANSWERED. By Prof. Alfred C. Hottes. Every problem confronting the home-gardener is satisfactorily answered. Covers flowers, fruits, vegetables, the home grounds, etc. Cloth. **\$2.15, postpaid.**

GARDEN GUIDE. A book for gardeners everywhere, giving direct, simple and reliable information on how to grow fruit, vegetables and flowers. Illustrated. 384 pages. Cloth. **\$1.65, postpaid.**

ROCK GARDENS. By F. F. Rockwell. How to build a rock garden on a small or large scale at little expense. 86 pages. Cloth. **\$1 postpaid.**

Catalogue of Books on Request



Lupinus polyphyllus



African Double Marigold

Lychnis HP

Chalcedonica (Maltese Cross). Bright scarlet flowers of maltese cross form, usually in medium-sized, flat umbels. Handsome for beds and borders. Of easy culture, growing in any rich garden soil, blooming the first year if sown early. Height, 2 to 3 feet. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 40 cts.

Lupinus • Lupine

Lupines are showy plants, a little out of the ordinary, with handsome, conspicuous flowers, borne in terminal racemes, somewhat resembling the sweet pea. Used extensively for bedding. Do not attempt to transplant the annual sorts.

Hartwegi, Annual, Finest Mixed. Choice assortment of colors. Height, 2 feet. Pkt. 10 cts., oz. 25 cts.

Polyphyllus, Hardy Perennial, Finest Mixed. Various shades of Pink, Purple, Blue, and White. If sown early will bloom the first season. Height, 3 feet. Pkt. 10 cts., oz. 30 cts.

Marigold

Old-fashioned annuals, rich and showy, blooming continually all summer; excellent for bouquets and a beautiful garden plant.

Giant African, Double. Height, 3 feet. All shades of yellow. **Finest Mixed.** Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.

French Dwarf, Double. Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts. (See cut.)



French Marigolds

Mexican Fire-Bush or Summer Cypress

(*Kochia*)

An easily grown annual which forms a cypress-like hedge, with feathery green foliage. At the approach of autumn the foliage turns to a deep red color. Height, 2 to 3 feet. Pkt. 10 cts., oz. 15 cts.

Matricaria • Double Feverfew

Parthenoides capensis plena. Free-flowering plants producing, all season, fine, densely double, button-like blossoms in white and yellow. Height, 10 to 12 inches. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Mignonette, Sweet-scented

Valuable on account of its fragrance. Sow in succession during the summer. Pkt. 10 cts., oz. 15 cts.

SPRAY THE BUGS—SAVE THE FLOWERS

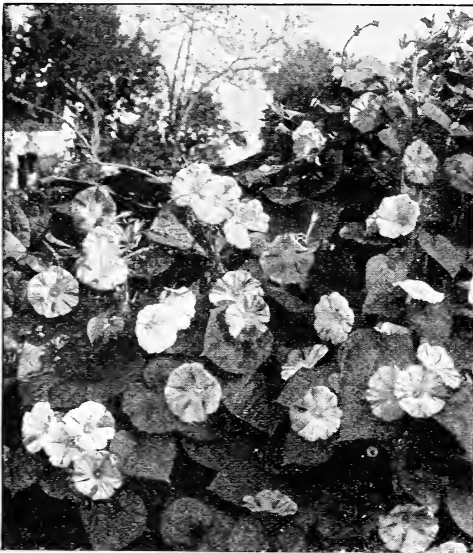
BLACK-LEAF 40 is indispensable for the destruction of black aphids or lice which sometimes come on nasturtiums and other garden flowers. One teaspoonful to 1 gallon of water, sprayed on the plants with regularity, will completely check these pests.



Mexican Fire-Bush



Dwarf Nasturtiums



Morning-Glories



Border of Portulacas

Morning-Glories

Fine for covering fences and trellises on account of their rapid, luxuriant growth. They bloom freely all summer. **Mixed.** Pkt. 10 cts., oz. 15 cts.

Japanese Imperial. Flowers of immense size in a great variety of colors. Pkt. 10 cts., ½ oz. 15 cts.

Nigella · Love-in-a-Mist

Lovely garden annuals, with finely cut green foliage, and curious-looking flowers and seed pods.

Damascena. Blue and white mixed; double. Height, 1 foot. Pkt. 10 cts., ½ oz. 25 cts.

Nicotiana · Flowering Tobacco

Affinis. New hybrids. The plants average 2½ feet in height and bloom profusely in shades of rose, red, crimson, and creamy white. See illustration on page 12. Pkt. 10 cts., ¼ oz. 25 cts.

Nasturtiums

Our Gilt-Edge Mixtures are especially rich in brilliant colors, large flowers and free-blooming qualities. For ease of culture, duration of bloom, brilliancy of coloring and general excellence, nothing excels Nasturtiums. All they need is a moderately good soil in a well-drained, sunny position. They seem to flourish under the most trying conditions, and the more often the flowers are cut, the more profusely do they bloom. If you want large flowers and plenty of them, do not let them go to seed.

Tall or Climbing, Choicest Mixed.

Tom Thumb Dwarf, Choicest Mixed.

½ oz. 10 cts., oz. 15 cts., 3 ozs. 35 cts., lb. \$1.25

Phlox Drummondii

One of our finest hardy annuals; easily grown from seed. Makes a brilliant display as a summer bedding plant and often reseeds itself the following year. **Mixed.** Pkt. 10 cts., ¼ oz. 35 cts.

Potentilla · Cinquefoil HP

Charming plants for the border, with brilliant, single flowers that are produced in profusion from June to August. Succeeds in any soil. Height, 18 in. **Mixed.** Orange and Red. Pkt. 15 cts., ½ oz. 45 cts.

Platycodon · Balloon Flower HP

The unopened buds resemble miniature balloons, opening up as deep-throated, 1½ to 2-inch bells. Plants grow 2 to 3 feet high and bloom profusely over a long season. Plants from seed sown in early spring will bloom in August.

Mixed. Blue and White. Pkt. 10 cts., ½ oz. 25 cts.

Pyrethrum HP

Roseum. Showy plants that bloom the first season if seed is sown early. Flowers single, daisy-like and double globular, 2 to 3 inches across, white, rose, crimson, and scarlet. The foliage is fine-cut and ferny. Height, 2 ft. Pkt. 15 cts., ½ oz. 40 cts.

Aureum (Golden Feather). This variety has rich yellow foliage. 6 inches tall. Fine for borders. Pkt. 10 cts., ½ oz. 35 cts., ¼ oz. 55 cts.

Portulaca · Moss Rose

Dwarf-growing plants of easy culture, thriving best in a light, sandy soil and a sunny situation.

Single Mixed. Pkt. 10 cts., ¼ oz. 25 cts.

Double Mixed. Unsurpassed for brilliancy. A wide range of colors—orange, red, and white. Pkt. 10 cts., ¼ oz. 30 cts.

Pansies

Large-flowering Mixed. A great diversity of colors. Pkt. 10 cts., 3 pkts. for 25 cts., $\frac{1}{16}$ oz. 40 cts.

Giant-flowering Mixed. This mixture is composed of giant-flowering sorts having many of the colors and different patterns found in the named varieties both as regards to size, texture and colorings. Pkt. 25 cts., $\frac{1}{16}$ oz. 50 cts.

Tufted Pansies • Violas

While the flowers of the Tufted Pansies are not so large as the regular type, yet they bloom so freely that they are superior to pansies where effect is wanted, the colors being particularly clear and distinct; they also bloom for a longer time. Seed sown in April produce flowering plants by June, and from then on until frost they are a sheet of bloom. Height, 8 inches.

Mixed. A splendid mixture of the best varieties. Pkt. 10 cts., $\frac{1}{16}$ oz. 25 cts.

Petunias

Giants of California

Giant-flowered Ruffled Varieties. Vigorous growers of semi-trailing habit, with flowers which often measure 4 inches across. Many light shades, mostly with blotches and pencil-markings of a different color in the throat. A superb strain. Pkt. 25 cts.

Double Petunia, Fancy Fringed

An excellent, carefully hand-pollitized strain, yielding a large percentage of plants having double, finely fringed flowers. Embraces a splendid variety of colors and many beautiful combinations. The seed of this is extremely costly. Small pkt. 35 cts.



Petunia, Giants of California

Balcony Petunias

These large and beautiful Petunias were bred to produce a wealth of bloom when grown in porch or window-boxes, or garden vases; when grown in beds or borders they produce pleasing, striking effects.

Balcony Blue. Velvety indigo-blue. Pkt. 15 cts.

Balcony Rose. Brilliant rose-pink. Pkt. 15 cts.

Balcony White. The pure white form. Pkt. 15 cts.

Balcony Crimson. Velvety crimson. Pkt. 15 cts.

One pkt. each of above 4 Balcony Petunias for 50 cts.

Balcony Choice Mixed. Pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts.

Rosy Morn. The flowers are of the most pleasing shade of light carmine-pink. Most popular for porch-boxes and borders. Pkt. 10 cts., $\frac{1}{8}$ oz. 60 cts.

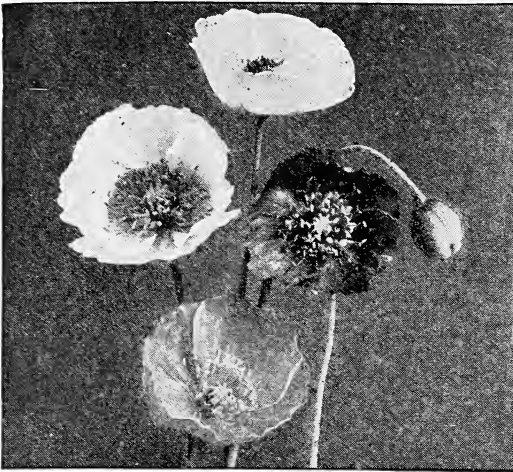
Single Bedding Petunias

Everyone has room for some Petunias, either in porch or window-boxes, beds, borders or rockeries. Sowing the seed early in the house or hotbed will give you a wonderful display of bloom the entire season. **Choice Mixed.** Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

We appreciate the many kind letters from customers commending our flower seeds. We thank you



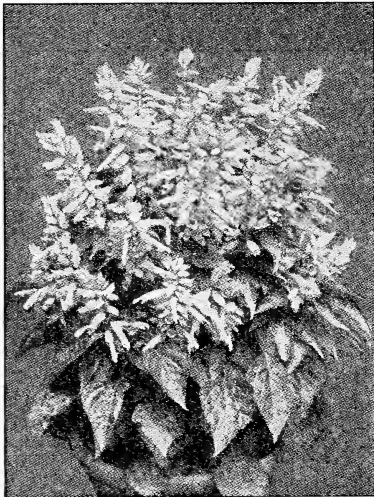
Balcony Petunias



Annual Poppies



Centaurea imperialis (Sweet Sultan)



Salvia splendens



Snow-on-the-Mountain

Oriental Poppy HP

(*Papaver orientale*)

The big, bright scarlet, Decoration Day Poppy. A hardy perennial form bearing immense single flowers in spring. It should be in every garden. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts.

Choicest Mixed. Those who wish a lot of fine colors should plant this large flowering mixture. It includes many bright shades as found in the Oriental Poppies. Pkt. 10 cts., $\frac{1}{8}$ oz. 30c.

Annual Poppy

Thrifty, upright varieties, 2 feet high. Flowers of large, globular form, with slashed or fringed petals. Colors and combinations beautiful and varied.

Mixed Colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts.

Carnation-flowered. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts.

Shirley. An improved strain of Poppies, varying in color from pure white to rosy carmine and deep crimson in mixture.

Mixed Colors. Pkt. 10 cts., $\frac{1}{8}$ oz. 15 cts., $\frac{1}{4}$ oz. 25 cts.

Salvia • Scarlet Sage

This popular and showy bedding plant should be started either in the house or in hotbeds.

Bonfire. Compact, bushy plants, 2 feet high, producing erect spikes of brilliant scarlet flowers. Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.

Splendens. Tall-growing plants. Height, 3 feet. Pkt. 10 cts., $\frac{1}{4}$ oz. 60 cts., oz. \$2.

Scarlet Runner Bean

A rapid climber, 10 to 15 feet high, flowering profusely. Pkt. 5 cts., oz. 10 cts., 3 ozs. 25 cts.

Snow-on-the-Mountain

(*Euphorbia variegata*)

A bushy plant with insignificant flowers, but whose broad green leaves are heavily margined with silvery white. Much used in mixed borders and as a background for lower-growing plants. Height, 2 feet. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Sweet Sultan (*Centaurea imperialis*)

Blooms of exquisite texture, possessing a delightful fragrance. The plants grow 2 feet tall and bear a profusion of elegant, long-stemmed flowers. Our mixture includes all the lovely colors belonging to this type.

Finest Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{8}$ oz. 40 cts.



Shasta Daisies



Strawflower



Snapdragon

Shasta Daisy HP

Alaska. For a midsummer white we know of nothing that is really more satisfactory than the Shasta Daisy. It makes a splendid showing as a border and is almost unsurpassed for cutting. Alaska is a very large-flowering strain, the blooms measuring 4 to 5 inches across, with broad overlapping petals of purest white. Easily grown from seed sown in the open ground. One packet sows 12 feet of row. Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts.

Large-flowering Salpiglossis

(*Painted Tongue or Velvet Flower*)

A free-flowering annual, succeeding best in cool, moist soils. The large flowers borne by plants of our mixture are most vividly spotted and striped on ground colors of deep blue, rose, velvety yellow and reddish bronze. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.

Giant Snapdragon . Antirrhinum

Few flowers equal the Snapdragons for brilliancy of color, and because of this they are among our most showy and useful border plants. The new varieties are so far superior to the old-time Snapdragon that really there is no comparison. The blooms are very much larger, are better shaped, and far more brilliantly colored. The plants bloom very freely over a long period.

Harmony. Terra-cotta.	Gloria. Rose-pink.
Queen Victoria. White.	Golden Queen. Yellow.
Empress. Crimson.	Silver Pink. Pearly pink.

Pkt. 10 cts.; six packets as named above, 50 cts.

Giants, Special Mixture. Embraces a magnificent assortment of the finest new varieties. Pkt. 10 cts., 3 pkts. 25 cts., $\frac{1}{8}$ oz. 35 cts.

Statice . Sea Lavender HP

Splendid also for the hardy border and rocky. Bears panicles of minute flowers which "cure" nicely.

Mixed. Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts., $\frac{1}{2}$ oz. 40 cts.

Strawflower or Everlasting Flower (*Helichrysum*)

Much prized for durable bouquets and winter decoration. To dry, gather flowers when partly unfolded and hang, heads down, in a cool place.

Giant-flowering, Mixed. This mixture includes all the desirable colors named above. Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.

Early Giant Imperial Stocks

A recently developed strain of early-flowering Stocks, forming much-branched plants about 2½ feet high and having numerous spikes of very large, double, delightfully fragrant flowers. If sown in February or March, will produce plants that will bloom out-of-doors from midsummer till frost.

Finest Mixed. Pkt. 15 cts.



Salpiglossis

Spencer or Orchid-flowered Sweet Peas

The best of the old-fashioned or Grandiflora varieties are now quite overshadowed by this wonderful type, which are quite distinct, having large, round, open flowers of extraordinary size, usually measuring 2 inches across, with wavy standards and wide-spreading wings, a very large percentage bearing four of these immense blossoms to the stem, which is long and strong, making them of exceptional value for cutting. All the sorts offered below have been thoroughly tested and are very superior in every respect.

Austin Frederick. A giant-flowered lavender.

Charity. Deep rich crimson; best of its color.

Elfrida Pearson. This is the finest light pink.

Hawlmarmk Pink. Rose-pink shaded salmon.

Hebe. Mammoth bright pink.

Hercules. A lively rose-pink, large in size.

Majestic Cream. The newest and best primrose.

Margaret Atlee. Apricot-pink on a cream ground.

Mary Pickford. Creamy salmon-pink.

Mrs. Tom Jones. Delphinium-blue.

Picture. Flesh-pink, suffused apricot.

Pinkie. Mammoth deep rose-pink.

Royal Scot. The finest brilliant scarlet.

Royal Purple. Rich royal purple. Most distinct.

Tangerine Improved. A wonderful glowing orange.

Warrior. Deep maroon.

Wedgwood. Wedgwood or silvery blue.

Prices of the above carefully selected varieties, large pkt. 10 cts., oz. 25 cts., 1/4lb. 85 cts.; the complete collection, 17 named varieties for 90 cts., all postpaid.

Spencer Mixture

Blended from only the Giant Waved Spencer varieties. We are sure this mixture will give absolute satisfaction. Large pkt. 10 cts., oz. 20 cts., 2 ozs. 35 cts., 1/4lb. 60 cts., lb. \$2, postpaid.

It requires one ounce of Sweet Peas to sow 10 ft. of single row

Inoculate Seed with Nod-O-Gen

Spraying vines with Black-Leaf 40 insures success with Sweet Peas.

New Early-flowering Spencer Sweet Peas

In response to numerous inquiries from the commercial growers, who appreciate their value under glass, as well as the amateur who desires them for outdoor culture, we submit the following as being the best Early-flowering Spencer Sweet Peas in their range of color and high quality.

Glitters. Fiery cerise.

Harmony. Best clear lavender.

Miss Louise Gude. Clear rose-pink.

Mrs. Kerr. Orange-salmon.

Snowstorm Improved. Best pure white.

Superior Pink. Morse's. Rich rose.

Pkt. 10 cts., 3 for 25 cts., oz. 50 cts., 1/4lb. \$1.40

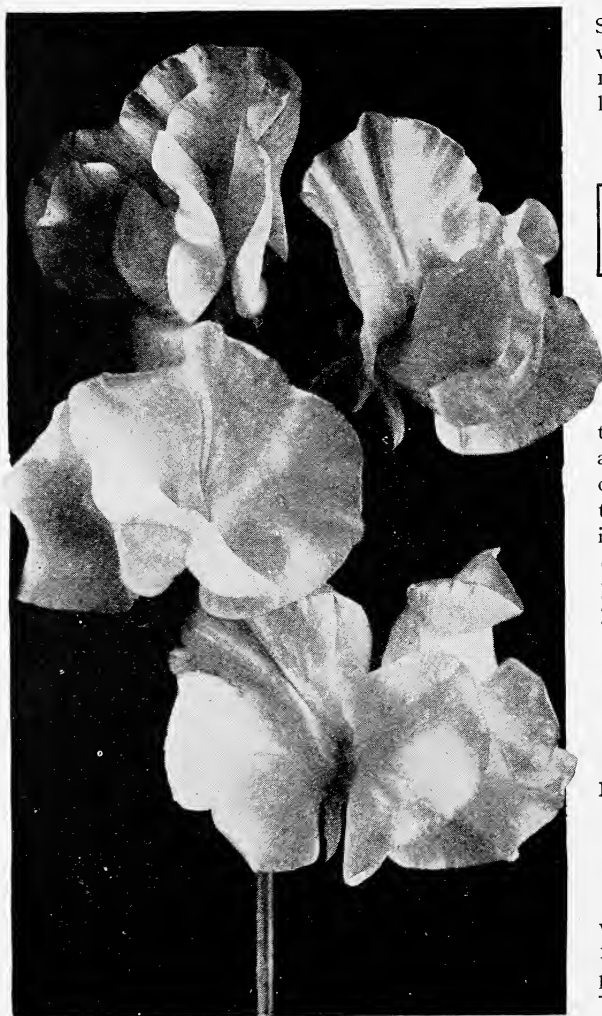
Collection: One pkt. each of above 6 varieties, 45 cts., postpaid

Early-flowering Spencer Mixture. Pkt. 10 cts., oz. 35 cts., 2 ozs. 60 cts., 1/4lb. \$1, postpaid.

Gilt-Edge Mixture

Our customers sometimes prefer a mixture where all classes are represented. Large pkt. 10 cts., oz. 15 cts., 3 ozs. 35 cts., lb. \$1, postpaid.

Our seeds are put up in liberal size, colored lithographed packets, with careful cultural directions on each packet.



Giant Spencer or Orchid-flowered Sweet Peas.
Wonderful large flowers on long stiff stems



Sweet William

Scabiosa • Mourning Bride

(Pin-Cushion Flower)

These beautiful hardy annuals are in great demand. They grow about 2½ feet high and bloom from early in July without interruption until cut down by the frost. As a flower for cutting they are much in demand. **Choice Mixed.** Pkt. 10 cts., ¼oz. 20 cts., oz. 60 cts.

Large-flowered Double Scabiosa

We highly recommend these new hybrid Scabiosas to all growers, at least to the extent of planting a bed. We are offering a collection of six distinct new hybrid varieties.

Crimson Glory. Bright crimson.

Azure Fairy. Beautiful lavender-blue.

Shasta. Magnificent; pure snow-white.

King of the Blacks. Black-purple, shading to dark maroon.

Yellow. A distinct color.

Peach Blossom. A beautiful shade.

Each of above, pkt. 15 cts., ¼oz. 75 cts.

COLLECTION: One each of above 6 named varieties for 75 cts.

Sweet William (*Dianthus barbatus*) HP

These make wonderful border plants, with heads of bloom of great size and wonderful beauty. If given proper care, the plants will last many years although they may be easily raised from seed each season. Our mixture combines many rich and beautiful colors. Pkt. 10 cts., ¼oz. 20 cts.

Sunflower • Helianthus

Double Chrysanthemum-flowered. Rich, golden yellow flowers, perfectly double, resembling a chrysanthemum or dahlia. Pkt. 10 cts., oz. 35 cts.

Mammoth Russian. Single flowers of gigantic size. Pkt. 5 cts., oz. 10 cts.

Tunica HP

Saxifraga. This lovely hardy perennial grows about 1 foot tall and blooms profusely from June till September. An excellent hardy perennial for the rock-garden. The plants make a spreading growth and form thick tufts which are covered with small delicate rose blooms. Pkt. 10 cts., ¼oz. 25 cts., ½oz. 40 cts.

Valerian • Garden Heliotrope HP

Hardy, perennial border plants; large, fragrant flowers having a fragrance resembling that of the heliotrope. **Mixed.** Height, 2 to 3 feet. Pkt. 10 cts., ¼oz. 25 cts.

Verbena

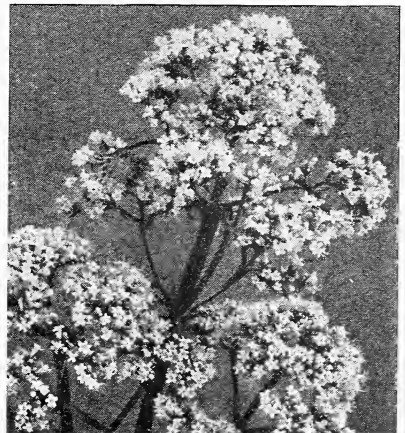
An excellent annual for beds and massing, and for a gorgeous display during the summer months it cannot be excelled. **Mammoth Mixed.** Pkt. 10 cts., ¼oz. 25 cts.



Double Sunflowers

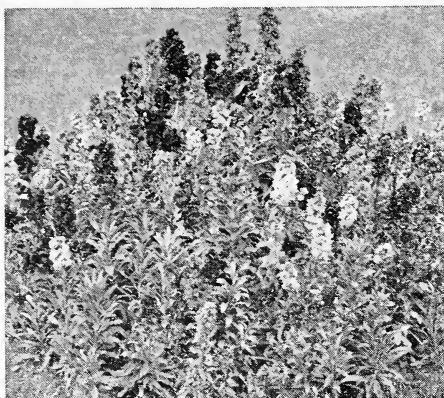


Scabiosa

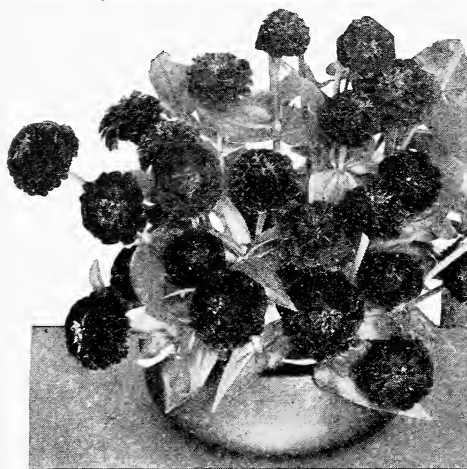


Valerian

All Flower Seeds sent postpaid direct to your door



New Double Annual Wallflower



Pompon Zinnias



Giant-flowering Zinnia

Siberian Wallflower HB

(*Cheiranthus Allioni*)

Very pretty dwarf hardy biennial plants, usually handled as annuals, flowering freely through the summer from seed sown in spring. For early spring flowering, sow in late summer. Splendid for rockery. Plants grow about 1 foot high, with heads of brilliant orange flowers. Pkt. 15 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts.

Annual Wallflower

Early Wonder. New Double. This remarkable new Wallflower comes into bloom within 5 months from sowing. The plants grow about 2 feet high with heavy center spike thickly covered with large double blossoms, followed by many side branches; delightfully fragrant. Pkt. 15 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts.

Early Forcing. The earliest blooming, single-flowered varieties. **Single Mixed.** Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts., $\frac{1}{2}$ oz. 30 cts.

Wild Flower Garden

A most interesting way in which to grow annual flowers is to reserve a portion of the garden for a Wild Flower Garden and sow mixed seed thickly in it. For this purpose we offer a collection of easily grown annuals which will furnish a profusion of bloom throughout the season, without the attention necessary for more formal plantings. This mixture is valuable for sowing in bare spots, along fences and on embankments and will convert many an unsightly spot into a place of beauty. Large pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts.

Double Lilliput or Pompon Zinnias

A very pretty type of compact habit not over 15 inches high, bearing in lavish profusion, small densely double flowers on long stems, held well above the foliage. Makes a good line or bed and are of more than usual value for cutting. **Canary Yellow, Golden Gem, Salmon Rose, Scarlet Gem, White Gem, and Finest Mixed of above colors.** Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.; 1 pkt. each of above 5 colors, 40 cts.

Double Dahlia-flowered Zinnias

This type, the latest development in Zinnias, bears flowers of mammoth size and in form like a perfect decorative dahlia. As the result of continued painstaking care and selection, the size, form, and coloring have been much improved and we now offer seven beautiful and distinct varieties.

Exquisite. Pale rose, deeper center.

Purple Prince. Fine deep purple.

Crimson Monarch. Largest and best red.

Oriole. Immense; orange and gold.

Canary Bird. Fine; large; primrose.

Meteor. Deep rich glowing red.

Polar Bear. The best large pure white.

Each, pkt. 15 cts., 4 pkts. 50 cts., 6 pkts. 70 cts., 7 pkts. 80 cts., $\frac{1}{8}$ oz. 30 cts., $\frac{1}{4}$ oz. 60 cts.

Dahlia-flowered Mixed, from the varieties named above. Pkt. 15 cts., $\frac{1}{8}$ oz. 30 cts., $\frac{1}{4}$ oz. 60 cts.

Giant-flowering Mixed. A giant form of the old-style Zinnia with flowers 4 to 5 inches across, very double, and in exceedingly brilliant colors. The $2\frac{1}{2}$ -foot plants carry a load of blooms which for size, beauty, and range of color cannot be excelled. Pkt. 10 cts., $\frac{1}{8}$ oz. 25 cts., $\frac{1}{4}$ oz. 40 cts., oz. \$1.25.

We sell only the best grade of seed, tested for purity and vitality—put up in liberal quantity in beautifully colored lithographed packets with reliable directions for culture. Select any 10-cent packets, 6 for 50 cts.; 5-cent packets, 6 for 25 cts.

Chaapel's Distinct Gladiolus

The Glad Flower in All Its Glory

Distinct Novelties of Recent Introduction

- A. W. HUNT.** Flame-orange-red; large, wide-open flowers on strong, sturdy stem. 25 cts. each.
- CAPTAIN BOYNTON.** Beautiful lavender with deeper blotch on lower petals. 25 cts. each.
- DR. F. E. BENNETT.** Peach-red, overlaid with flame-scarlet, throat speckled ruby and creamy white. Very large flowers of great substance. Sturdy grower. 25 cts. each.
- GOLDEN MEASURE.** Very large, pure golden yellow flowers of good substance. 15 cts. each.
- GIANT NYMPH.** Very large, wide-open, light rose-pink flowers with creamy yellow throat. 10 cts. each.
- MISS MADISON.** The wide-open flowers are purest deep pink, self color, very large. 15 cts. each.
- MR. W. H. PHIPPS.** La France-pink, overlaid with salmon-rose, lighter toward the center, lower petals faintly striped and speckled with ruby. 25 cts. each.
- MRS. LEON DOUGLAS.** Enormous blooms of begonia-rose, striped with flame-scarlet, lower petals pale lemon, speckled ruby, many open at a time. 20 cts. each.
- PURPLE GLORY.** Deepest velvety maroon with almost black blotches; large, ruffled flowers. 15 cts. each.
- SCARLET WONDER.** Mammoth flowers of purest deep scarlet. A real giant. 15 cts. each.
- TRUDEL GROTZ.** Glowing salmon-pink, with small red blotch in throat, giving the whole a warm, striking appearance. Enormous flowers on strong, tall stem. Very good grower and propagator. 25 cts. each.

COLLECTION: One each of above 11 Gladiolus, \$1.50

Chaapel's Select Gladiolus

- Albania.** Pure snow-white flowers with beautiful round petals.
- Byron L. Smith.** Delicate lavender flowers.
- Carmen Sylva.** Large, snow-white flowers.
- Evelyn Kirtland.** Warm rose-pink, deeper at the edges of the petals.
- Flora.** Pure golden yellow flowers.
- Henry Ford.** A distinct variety, rhodamine-purple in color.
- Louise.** Orchid-lavender, deeper blotch in throat.
- Mrs. Dr. Norton.** Silvery white base, tinged with pink, deepening toward the edges.
- Pink Wonder.** La France-pink, shading to pale pink.
- Rose Ash.** Large old-rose flowers, overlaid and blended with pink, blue, and red.
- Twilight.** Creamy buff, edges of petals flaked pink.
- Virginia.** Massive, flaming scarlet flowers.

Prices of above varieties: 10 cts. each, 25 cts. for 3,
95 cts. per doz., \$7.50 per 100

Popular Standard Gladiolus

- Baron Hulot.** Rich deep indigo-blue.
- E. J. Shaylor.** Splendid deep rose-pink.
- Gretchen Zang.** Beautiful soft pink.
- Mary Pickford.** Lovely creamy white blooms with soft sulphur-yellow throat.
- Mrs. Frank Pendleton.** Salmon-pink color.
- Pink Perfection.** Lovely apple-blossom-pink, perfect in every detail.

Prices of above varieties: 5 cts. each, 55 cts. per doz.,
\$4.50 per 100

Popular Mixture of Gladiolus

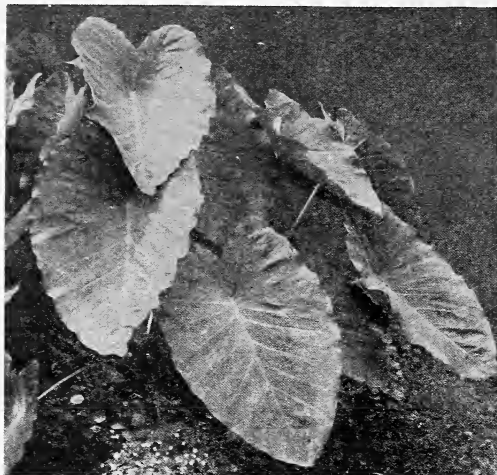
Composed of high-grade varieties in mixture. A splendid lot of bulbs at very low prices. 25 cts. for 6, 50 cts. per doz., \$3 per 100.

If bulbs are wanted by parcel post, add 10 cents extra for the first dozen and 1 cent extra for each additional dozen



Carmen Sylva

Summer-Flowering Bulbs and Plants



Caladium Esculentum

Caladium Esculentum (Elephant's Ear)

Among the most effective plants in cultivation for beds, borders, or for planting out upon the lawn. They are used extensively in many of the public parks where their decorative value is greatly appreciated. To obtain the best results they should be planted where they will obtain plenty of water and an abundance of rich compost. When full size they stand 6 to 10 feet high, and bear immense light green leaves, 3 to 4 feet long by 2½ feet wide. Large bulbs, 20 cts. each, \$2 per doz.; second-size bulbs, 15 cts. each, \$1.50 per doz., postpaid.

Tuberose, Double Pearl

One of the most delightfully fragrant and beautiful of the summer-flowering bulbs. For flowering in the open, plant about the middle of May, or as soon as the ground becomes warm. Strong flowering bulbs, 8 cts. each, 60 cts. per doz., \$4 per 100, postpaid.

Iris, Mother of Pearl

Pale bluish lavender flower of exceptional substance and lustrous texture. A wonderful Iris, tall and vigorous in growth, and free flowering. 48



Mother of Pearl Iris

inches. 50 cts. each, \$1.25 for 3, postpaid.

Mother of Pearl Free with 10 beautiful Irises in assorted colors that will give you a wonderful show—all for \$1, postpaid.

Owing to the expense of packing, and postage on small orders for plants and bulbs, we solicit orders for at least \$1 or more.

We guarantee to please you

Three Distinct Cannas

King Humbert. Scarlet. The best bronze-leaved variety. Very distinct, heart-shaped leaves shaded with purple-madder-brown. Immense orchid-flowered trusses of velvety orange-scarlet. Height, 4 to 4½ feet. 20 cts. each, 50 cts. for 3, \$1.50 per doz.

Yellow King Humbert. A sport from the bronze-leaved red-flowering King Humbert. Flowers are yellow dotted orange-scarlet. Height, 4½ feet. 20 cts. each, 50 cts. for 3, \$1.50 per doz.

The President. The best green-leaved, red-flowered Canna offered. The flowers are immense, round, firm; a cheery one-color pure scarlet. Height, 4 ft. 20 cts. each, 50 cts. for 3, \$1.50 per doz.

ALL ABOVE POSTPAID

A Big Red Peony Felix Crousse

A moderate surplus of this rich, dazzling ruby-red midseason Peony enables us to offer you large, vigorous roots, to be sent in April, before growth starts. Later orders will be delivered in August or September. Large clumps, 50 cts. each, \$1 for 3, postpaid.



Tritoma Pfitzeri

Tritoma

(Red-hot Poker; Flame Flower; Torch Lily)

Pfitzeri (The Everblooming Flame Flower). The early, free, and continuous blooming qualities of this variety have made it one of the great bedding plants. Succeeds in any ordinary garden soil, but responds quickly to liberal treatment. Hardy if given protection, but the most satisfactory method of wintering is to bury the roots in sand in a cool cellar. In bloom from August to October, with spikes 3 to 4 feet high, and heads of bloom of a rich orange-scarlet, producing a grand effect either planted singly in the border or in masses. 35 cts. each, \$1 for 3, postpaid.

Vegetable Seeds

Asparagus

Washington Rustproof.

This new strain is the result of years of plant-breeding conducted by the Bureau of Plant Industry of the U. S. Department of Agriculture. It is a rust-resistant, vigorous, high-yielding strain of giant Asparagus, and by comparison with all other varieties which have been in standard use during recent years, the Washington strain stands in a class by itself. Pkt. 10 cts., oz. 45 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Asparagus Roots

Supplied after April 1. Use about 4,000 plants to an acre. Tied in bunches of 50 each.

Martha Washington. 2-year-old plants, 50 cts. per doz., \$1.75 per 100, \$15 per 1,000.

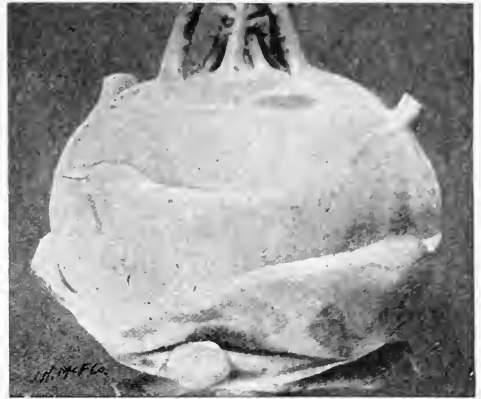
If by mail add postage as follows: Doz., 10c.; 100, 25c.



Brussels Sprouts

Brussels Sprouts

Carter's Perfection. A species of cabbage; cultivation is the same. A new variety of fine quality and compact growth. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. \$1, lb. \$2.50.



White Vienna Kohlrabi

Kohlrabi TURNIP-ROOTED CABBAGE

It is regrettable that this splendid vegetable is not more widely used. We would suggest that you give it a trial and, if pleased with it, recommend it to your friends. The edible part is the turnip which grows above the ground. Prepared and served like turnips. Two varieties, **White** and **Purple Vienna**. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Corn Salad or Lamb's Lettuce

A small, quick-growing salad plant. The leaves are used as a substitute for lettuce and spinach. In fall, sow the seed in shallow drills. The plants will also do well if the seed is sown early in spring. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.50.

Carrots, Table Varieties

Coreless. This comparatively new variety is by far the earliest of its type, but its earliness does not affect in any way its size or quality. It is a half-long, cylindrical, blunt-pointed variety, with a very small tap-root and small, fine top. The shape and size are extremely uniform, averaging 6 to 7 inches in length and $1\frac{1}{2}$ inches in diameter, clean-skinned, smooth, and easily pulled. The flesh is very fine-grained, absolutely without any woody heart or core, and entirely free from stringiness and coarseness. The color of the flesh is a rich red-orange, and its flavor is of the finest. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Chantenay. A most excellent, medium-early, half-long variety. It is one of the best in quality for the market and home-garden, while its great productiveness and the ease with which it can be harvested make it desirable as a field sort. The tops are medium-sized, with small neck. The mature roots are thick, $5\frac{1}{2}$ to 6 inches in length, uniformly half-long or stump-rooted but tapering slightly, smooth, deep orange-red in color. The flesh is very crisp and tender. Although a medium-early sort, the roots are suitable for use nearly as early as any. The variety is extensively used for bunching. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Danvers Half-Long. Grown largely on account of its great productiveness and adaptability to all classes of soil. The tops are of medium size, and the mature roots of medium length, 6 to 8 inches, tapering uniformly to a blunt point. The flesh is deep orange, tender, and of good quality. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.



Danvers Half-Long Carrot

Improved Long Orange. The roots of the improved strain of this variety we offer are very deep orange, long and comparatively thick, often 12 inches in length and 3 inches in diameter at the crown, tapering regularly to a point. The roots are tender and of good quality. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.

Oxheart. Roots short and thick. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. \$1.



Coreless Carrot

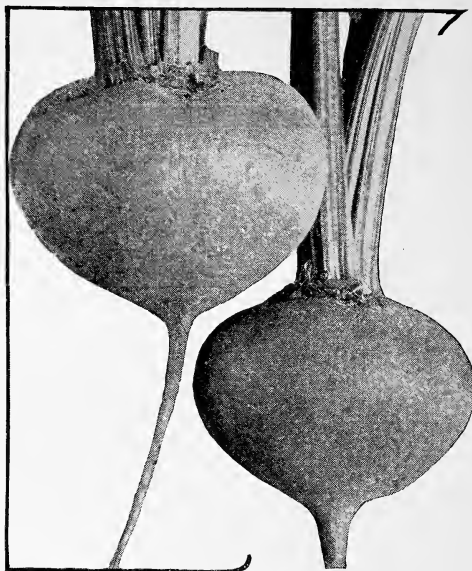
Table Beets

Beets are so easy to grow you should plant at least a row or two in your garden. They may be cooked and sliced for salads; buttered beets are delicious; a few jars of pickled beets will be a treat in the winter. Sow as early as the ground can be prepared. For fall and winter use make a later sowing in early July. Sow 1 ounce to 50 feet of drill.

BOSTON CROSBY. An improved Early Wonder and a most profitable first-early Beet for the market-gardener. It has smaller tops and tap-roots, is globular in shape, early, remarkably uniform, color black-red with deep purplish red flesh, almost free from lighter colored rings or zones. Boston Crosby is the best introduction of a marketable size Beet of the highest quality. (See illustration.) Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

EARLY WONDER. One of the earliest and most perfectly shaped Beets for bunching purposes. Its beautiful deep blood-red, nearly globular shaped root, small-sized top, and small clean tap-root make it a strong asset in the Beet family. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.25.

DETROIT DARK RED. Forms globular, smooth roots, with small tops; skin blood-red; flesh dark red, tender and sweet. Deservedly a popular favorite for canning, because of its extra-deep dark red color. (See illustration.)



Boston Crosby Beets

Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1, 10 lbs. \$7.50.

CROSBY'S EGYPTIAN. One of the earliest and most popular Beets grown. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.



Detroit Dark Red Beet

GOLDEN TANKARD. Yellow flesh; large and sweet; a heavy cropper. Considered best for poultry, as it is less fibrous. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts., 10 lbs. \$4.

LONG RED MAMMOTH PRIZE. The most popular variety. It grows above ground and attains enormous size, producing the largest tonnage per acre of any of the Mangel-Wurzels. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts., 10 lbs. \$4.

Swiss Chard or Spinach Beet

LARGE SILVER. Grown for the leaves only, and cooked like spinach. The midrib is prepared like asparagus. It can be sown at different seasons of the year, giving successive greens. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.

GIANT LUCULLUS (Crumpled-leaved Swiss Chard). A new variety with larger stems and closely crumpled leaves. The leaves, instead of being smooth, are deeply and closely crumpled similar to a savoy cabbage. Pkt. 10c., oz. 15c., $\frac{1}{4}$ lb. 35c., lb. \$1.

Mangel-Wurzel Stock Beets

The value of Mangels for stock-feeding is clearly seen in the improved health and condition of the animals, the increased flow and quality of milk from cows, and the saving in fodder. They yield enormously and can be grown at trifling cost. About one-fourth of the daily rations should be of roots. They are also excellent feed for poultry, being a valuable egg-producer.



Giant Lucullus Swiss Chard

Beans, Dwarf Wax or Butter

Liberal packets 10 cts., postpaid

We do not pay postage on Beans (except packets). If ordered by parcel post, add 10 cts. extra for first quart, and 2 cts. for each additional quart.

We condense into the following list the best Wax or Butter Beans—sorts that yield and sell well in all sections. (Crop short, prices subject to change.)

Pencil-Pod Black Wax Dwarf or Butter Beans

The meatiest, crispest, most brittle, and entirely stringless Bean grown—the one “Best Bean.” It is early, prolific, entirely stringless under all conditions, and can be grown for early spring, midseason, and late canning markets. The seed is shining blue-black; the pods are large—5½ to 6 inches long—round, nearly straight and crease-backed, strictly stringless, free from fiber, fleshy and brittle, of the highest quality and of a clear yellow color, cooking with a delicious flavor. The bushes are dwarf, prolific, and sure croppers. Pkt. 10 cts., ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2.25, pk. \$4, bus. (60 lbs.) \$15. Postage extra.

Inoculate
this seed with
NOD-O-GEN

Unrivalled Wax, Semi-Flat

Pod. With the exception of our Pencil-Pod Black Wax, there is probably no variety of Wax Beans grown that has greater all-round value than this one. The plant is strong and vigorous and bears enormous crops of light yellow pods about 5½ inches long, somewhat curved, semi-flat, rather slim but fleshy, and of the finest texture and tenderness. The seeds are small, slightly kidney-shaped, ochre-brown. Pkt. 10 cts., ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2.25, pk. \$4, bus. (60 lbs.) \$15. Postage extra.

Sure-Crop Stringless Wax.

Sometimes sold as Bountiful Wax.

Without a doubt the most thoroughbred flat-podded Wax Bean yet introduced. It starts bearing within 60 days after seeds are sown. The pods average 6 to 7 inches long, are very meaty, flat but thick through, and in common with most black-seeded varieties, Sure-Crop Stringless Wax is very hardy and may therefore be planted several days earlier than the

light-seeded sorts. Pkt. 10 cts., ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2.25, pk. \$4, bus. (60 lbs.) \$15. Postage extra on all Beans.

Webber or Crackerjack Wax (Flat-Pod).

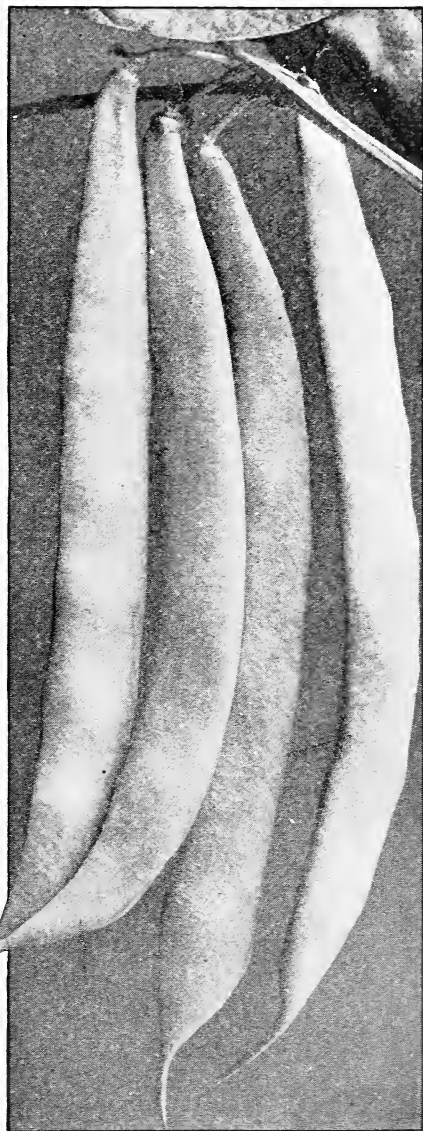
A high quality, flat-podded, stringless variety of the season of Wardwell's Kidney Wax. Pods 6 to 6½ inches long, quite broad and uniformly curved, fleshy, stringless and brittle, with little fiber. Plant more vigorous and productive than Wardwell's. Color of pod is a decided bright yellow. Seed yellow, kidney-shaped. Pkt. 10 cts., ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2.25, pk. \$4, bus. (60 lbs.) \$15. Postage extra. (See illustration.)

Improved Rust-Proof Golden Wax.

It is one of the earliest of the popular six-weeks' dwarf Beans for the market and private home-gardens. Pkt. 10 cts., ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2.25, pk. \$4, bus. (60 lbs.) \$15. Postage extra.

Davis' White Kidney Wax.

An early Wax variety. Pkt. 10 cts., ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2.25, pk. \$4, bus. (60 lbs.) \$15. Postage extra.



Webber or Crackerjack Wax Bush Beans

Unrivalled
Wax
Beans

Green-Podded Dwarf or Bush Beans

If Beans are wanted by parcel post add postage, 10 cts. extra for first quart, 2 cts. for each additional quart

BURPEE'S STRINGLESS GREEN-POD. Very hardy and extremely early sort of extra-fine quality. Vigorous; upright in habit; extremely early; handsome appearance; finest quality of pods. Stringless Green-Pod is the quickest to produce; pods of a rich green, very round and straight, 5 to 6 inches long, solidly meaty. The pods are brittle and of finest flavor, tender, always stringless even when fully matured; extra hardy. Pkt. 10 cts., $\frac{1}{2}$ pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2.25, pk. \$4, bus. (60 lbs.) \$15. Prices subject to change.

IMPROVED EARLY RED VALENTINE. The healthy, vigorous plants are unusually hardy, successfully withstanding early frosts; it may therefore be planted very early. It will always yield a large crop of handsome, long, round, fleshy pods. Pkt. 10 cts., $\frac{1}{2}$ pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2.25, pk. \$4, bus. (60 lbs.) \$15.

BOUNTIFUL GREEN-POD. Best of the flat-podded stringless varieties. Pods $6\frac{1}{2}$ to 7 inches long, thick, flat and slightly curved, stringless, slightly fibrous, attractive and of fine quality; color light green. Very early, vigorous, hardy, and productive. Pkt. 10 cts., $\frac{1}{2}$ pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2.25, pk. \$4, bus. (60 lbs.) \$15.

Bush Field Beans

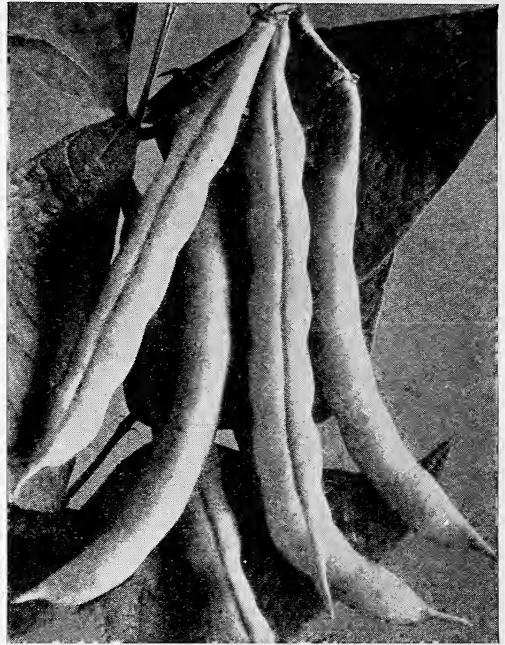
Shell, Soup, or Baking Varieties

WHITE MARROW. Everybody uses them. It is a good, profitable crop to grow. Pkt. 10 cts., $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 50 cts., 4 qts. \$1.50, pk. \$2.50, bus. \$10.

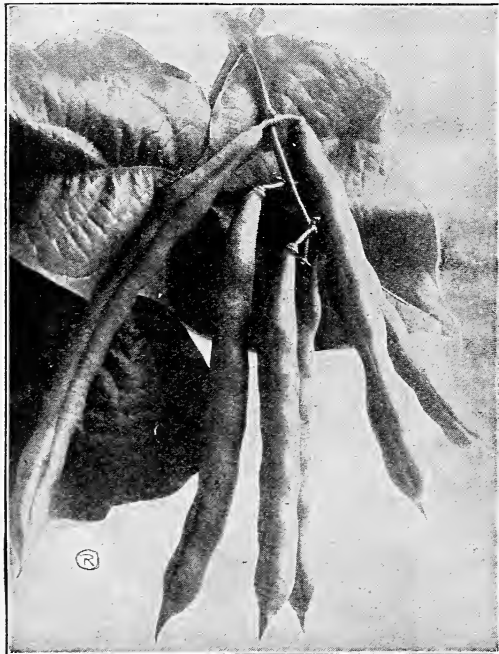
WHITE KIDNEY. The Beans are white and larger than White Marrow. $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 50 cts., 4 qts. \$1.50, pk. \$2.50, bus. \$10.

BOSTON SMALL PEA or NAVY. Produces small, white Beans, suitable for soup or baking. One of the best for this purpose. Pkt. 10 cts., $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 50 cts., 4 qts. \$1.50, pk. \$2.50, bus. \$10.

RED KIDNEY. An old variety; very popular. Seed is red; plant grows dwarf. Pkt. 10 cts., $\frac{1}{2}$ pt. 15 cts., pt. 25c., qt. 50c., 4 qts. \$1.50, pk. \$2.50, bus. \$10.



Burpee's Stringless Green-Pod Beans



Ideal Market, New Pole Beans

Pole or Running Beans

Of strong, running growth, and need stout poles on which to climb. They require a longer season in which to mature than do the bush varieties.

IDEAL MARKET. Earliest and most prolific of the green-podded pole Beans, earlier than Kentucky Wonder. Pods 5 inches long, round, slightly curved, stringless; excellent quality; seeds black. Pkt. 10 cts., $\frac{1}{2}$ pt. 25 cts., pt. 45 cts., qt. 75 cts., 4 qts. \$2.50.

EARLY GOLDEN CLUSTER WAX. Very early; fine quality; stringless; very productive. Beautiful golden yellow pods, very broad and 8 to 12 inches long. Good both for snap and shelling. Pkt. 10 cts., $\frac{1}{2}$ pt. 25 cts., pt. 45 cts., qt. 75 cts.

KENTUCKY WONDER or OLD HOMESTEAD
The pods, 7 to 9 inches long, are fleshy, deeply creased or *saddle-backed*. They are solidly meaty, stringless when young, and of finest quality. Pkt. 10 cts., $\frac{1}{2}$ pt. 25 cts., pt. 45 cts., qt. 75 cts.

KENTUCKY WONDER WAX. One of the earliest of the Pole Wax sorts. Pods flat, 7 to 8 inches long, thick, decidedly crease-backed, very fleshy. Pkt. 10 cts., $\frac{1}{2}$ pt. 25 cts., pt. 45 cts., qt. 75 cts.

LAZY WIFE. The pods, of medium dark green color, measure from $4\frac{1}{2}$ to 6 inches in length. Each pod contains from 6 to 8 round white Beans, which make excellent winter Shell Beans. Pkt. 10 cts., $\frac{1}{2}$ pt. 25 cts., pt. 45 cts., qt. 75 cts.

Bush Lima Beans

Burpee's Improved Bush Lima. The best of the dwarf Limas, having enormous pods filled with Beans that are larger and thicker than the old Burpee's Bush Lima and fully a week earlier. The Beans are meatier and better flavored and retain their greenish appearance much longer than the old type and they are heavier croppers.

BURPEE'S IMPROVED. This is about the earliest maturing of the large-seeded Limas. The plants are vigorous and productive. The pods are medium green, very large, about 5 inches long, thick and usually contain four Beans, which are extremely thick, of largest size and of excellent quality. Seed very large, thick, and usually shows a greenish white tinge which is generally considered an indication of superior quality. One of the best and most extensively used Bush Limas for the market as well as home-garden. Pkt. 15 cts., $\frac{1}{2}$ pt. 25 cts., pt. 45 cts., qt. 85 cts., 4 qts. \$2.75, pk. \$5, bus. (60 lbs.) \$18.

The Fordhook Bush Lima is superior in many respects, being a shorter and thicker Bean, more round than long. In northern localities both the Bush and Pole Limas are difficult to get through the ground, due to their manner of growth and the desire of gardeners to plant before the soil and weather conditions are right. To obtain the best success in planting Lima Beans, do not plant too early, have the ground thoroughly worked and fertilized, and plant the Bean edgewise with the eye down; a good way is just to press them into the soil. Do not cover more than 1 inch, $\frac{1}{2}$ inch is better.

FORDHOOK. An improved type of the Dwarf or Bush Lima, but much more productive and matures earlier. The plants are vigorous and erect, bearing well above the ground. The pods, which are produced in large clusters, are medium green, about 4 $\frac{3}{4}$ inches long and each contains three to five large Beans of exceptionally fine quality. Seed large, irregularly oval in shape, very thick, white with greenish tinge. This sort is popular for home and market use, especially in the East. Pkt. 15 cts., $\frac{1}{2}$ pt. 25 cts., pt. 45 cts., qt. 85 cts., 4 qts. \$2.75, pk. \$5, bus. (60 lbs.) \$18.

We supply liberal packets at 15 cts. each, postpaid

IF WANTED BY PARCEL POST, ADD POSTAGE, 10 CTS. EXTRA FOR FIRST QUART, 2 CTS. FOR EACH ADDITIONAL QUART

Pole or Climbing Lima Beans

A good warm loam is required to grow the Pole Limas successfully. Put five or six seeds in hills 3 to 4 feet apart each way, placing them edgewise, with the eye downward, and covering 1 inch deep. Pole Limas require poles 7 feet high, and the poles should be set before planting the seeds. Pinch back when the vine reaches top of the pole and the yield will be increased.

Burpee's Improved Bush Lima Beans

GIANT-PODDED. The largest-podded Lima in cultivation and of extremely vigorous growth. The pods, which mature in midseason, are borne in clusters of six to eight, and measure about 7 inches long by 1 $\frac{1}{2}$ inches broad; Beans extra large and of excellent quality. Undoubtedly the best of all the large-podded varieties. Pkt. 15 cts., $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 75 cts., 4 qts. \$2.50, pk. \$4, bus. (60 lbs.) \$15.

EARLY LEVIATHAN. This is the earliest, large-podded Pole Lima that we know. Very large pods are produced in clusters and in great abundance, often containing five Beans which are of good size and of the finest quality. Pkt. 15 cts., $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 75 cts., 4 qts. \$2.50, pk. \$4, bus. (60 lbs.) \$15.

KING OF THE GARDEN. The vines of this standard Pole Lima are very vigorous and productive. The pods are medium dark green, very large, 5 to 6 inches long, broad, flat, filled with four or five very large white Beans of finest quality. On account of its large pods it is a favorite with market-gardeners. It will come into bearing earlier and make larger pods if not more than two vines are left to grow on a pole. Seed very large, ovoid, flat, white, with slight greenish tinge. Pkt. 15 cts., $\frac{1}{2}$ pt. 25 cts., pt. 40 cts., qt. 75 cts., 4 qts. \$2.50, pk. \$4, bus. (60 lbs.) \$15.

Giant-podded Pole Lima Beans



Golden Acre Cabbage

Golden Acre Cabbage

This is an extra-early strain of Copenhagen Market, which it resembles in every respect except size. The heads are of medium size, weigh 4 to 5 pounds, are as round as a ball, and very firm. The plant is of dwarf, compact growth. Practically all the plants make perfect heads and mature at very nearly the same time. Golden Acre matures earlier than any other variety, heading a week earlier than Jersey Wakefield and ten to fifteen days earlier than Copenhagen Market. Matures in 80 days from planting of seed. Pkt. 15 cts., $\frac{1}{2}$ oz. 25 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.50.

Penn State Ballhead Cabbage

This very desirable late variety was developed by Prof. C. E. Myers at the Pennsylvania Agricultural Experiment Station. It produces uniform, solid, fine-grained heads and is a splendid keeper. A characteristic of this strain which makes it so profitable is the fact that so large a percentage of the plants mature heads of uniform size and shape. This is a distinct contribution to the vegetable growing industry. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.

Cauliflower, Henderson's Early Snowball

This is undoubtedly the finest variety ever introduced; it is the earliest, and produces beautiful snow-white heads of the most delicious flavor. A splendid market variety. The seed we offer is pure and genuine, and sure to prove satisfactory. The culture of Cauliflower is very similar to that of cabbage. It is best to select new ground, as it does not succeed where other vegetables have been grown year after year. Pkt. 15 cts., $\frac{1}{2}$ oz. 45 cts., $\frac{1}{4}$ oz. 75 cts., oz. \$2.

Cabbage

Early Copenhagen Market.

The heads average about 8 pounds each in weight, are very solid, with small core and of fine quality. It matures as early as Charleston Wakefield, and will give a much heavier yield to the acre than that popular variety. The plant is short-stemmed. Leaves light green, rather small, saucer-shaped, and always tightly folded. Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50, 10 lbs. \$30.

Danish Roundhead. ^{This is the short-stem}

Ballhead type, well-known and much prized because of its blight-resistance, solidity, and heavy yield. The heads are perfectly round and will keep in excellent condition throughout the winter. *Crop short.* Pkt. 10 cts., $\frac{1}{2}$ oz. 20 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

WELL-KNOWN STANDARD VARIETIES

Prices on Cabbage seed listed below, pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50

Burpee's Allhead Early. Flat heads; sure header.

Danish Ballhead. Best winter sort; round head.

Premium Late Flat Dutch. Flat head.

Early Jersey Wakefield. Extra-early pointed.

Early Winnigstadt. The heads are cone-shaped.

Rice's Surehead. Finest late Cabbage.

Red Rock. Best red sort.

Savoy Perfection Drumhead. Best of the Savoy.

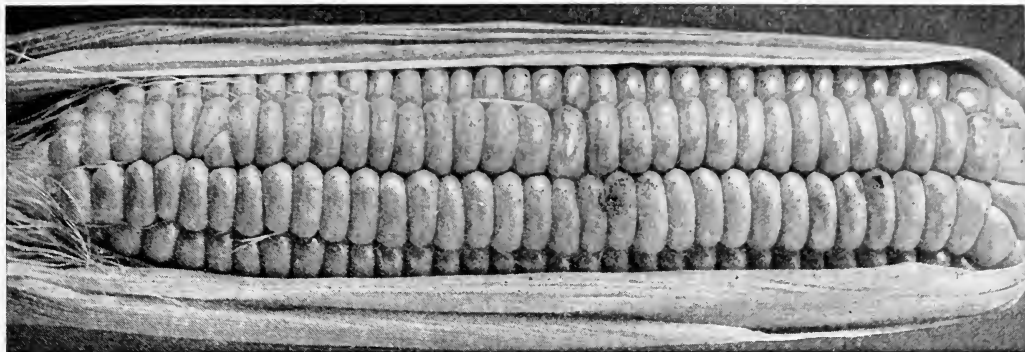
NOTE.—Slug Shot kills cabbage worms absolutely. Can be used without danger. Lb. 20 cts. (postpaid 27 cts.); 5 lbs. 65 cts. (postpaid 77 cts.).

Chinese Cabbage (Pe-Tsai or Cut Cabbage).

As tender as head lettuce and used as a salad or cooked as cabbage. Being very tender, it must be cooked quickly. The outer leaves may be used during its growth. Plant in rows 2 feet apart and 20 inches between the plants. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 90 cts., lb. \$3.



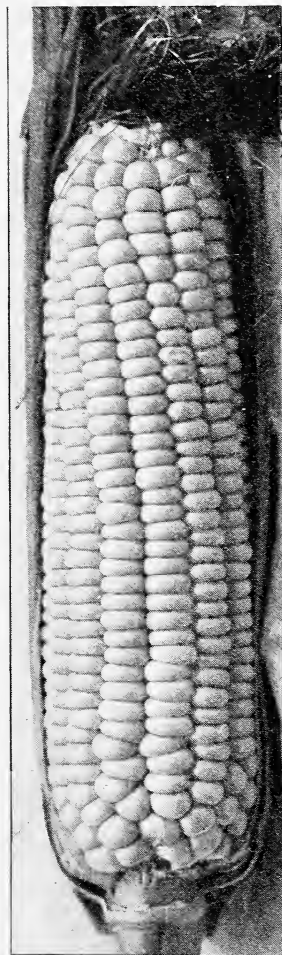
Henderson's Early Snowball Cauliflower



Golden Bantam Sweet Corn

Golden Yellow Sweet Corns of Special Merit

The introduction of Golden Bantam was a revelation in the possibilities of breeding Sweet Corn. The yellow varieties with their distinct, sweet, tender juiciness, are *gradually, as their merits become known*, displacing the white sorts. Plant-breeders have developed other varieties within the yellow strain to meet the various demands—some earlier sorts, others later ones, having larger foliage and ears, and all retaining the good qualities of the Golden Bantam parent. The four yellow or golden Corns listed on this page are, we think, the best of the yellow varieties. One quart of Sweet Corn weighs $1\frac{1}{2}$ pounds.



Golden Sunshine Sweet Corn

Whipple's Early Yellow

THE LARGEST EARLY YELLOW SWEET CORN

A remarkable new yellow Sweet Corn of much merit. While the stalks grow 6 feet or more in height and the 14-rowed ears are 7 to 8 inches in length, this variety matures three days later than Golden Bantam. The kernels are broad, deep and of excellent quality. Pkt. 15 cts., $\frac{1}{2}$ pt. 20 cts., pt. 35 cts., qt. 50 cts., 4 qts. \$1.75, pk. \$3, bus. \$10.

Golden Sunshine

AN EARLIER GOLDEN BANTAM

A yellow, early, high-quality Sweet Corn ready for market 10 days earlier than Golden Bantam. It is the earliest of the Golden Bantam type of yellow Sweet Corns and is dwarfier in growth. The ears are $6\frac{1}{2}$ inches long, with 12 rows of broad, yellow, sweet grains. It is especially desirable for its extreme earliness. Pkt. 15c., $\frac{1}{2}$ pt. 20c., pt. 35c., qt. 50c., 4 qts. \$1.75, pk. \$3, bus. \$10.

Golden Bantam

THE SWEETEST YELLOW-GRAINED VARIETY

This Sweet Corn is becoming more firmly fixed in popular favor each year because of its extremely early character and vigorous growth. It is actually the finest flavored of all Sweet Corns and is pronounced by thousands of planters the finest extra-early Sweet Corn ever grown. Golden Bantam is as distinct from white varieties in flavor as it is in color, being almost literally "sweet as honey." It is, without doubt, the best variety of Corn we know. The connoisseur, having once tasted the flavor of Golden Bantam Corn, will find all other varieties commonplace. Pkt. 10 cts., $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. \$1.25, pk. \$2.25, bus. \$8.

Bantam Evergreen

THE GREATEST SWEET CORN EVER INTRODUCED

Bantam Evergreen is a late introduction of the Golden Sweet Corn, a cross between Golden Bantam and Stowell's Evergreen—and now running nearly true to type; equal to both parents in rich sweetness and tender quality. The cob is just the right size for eating. People who regard Golden Bantam as "a wee bit too small" and Stowell's Evergreen as "a bit too large," find in Bantam Evergreen the long-sought-for Sweet Corn of the right size, golden color, and superior quality. The kernels are plump, nearly as broad as Golden Bantam, and not quite so deep as Stowell's Evergreen, cream-colored, tender, sweet, and delicious. Pkt. 10 cts., $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. \$1.25, pk. \$2.25, bus. (42 lbs.) \$8.

IF CORN IS WANTED BY PARCEL POST, ADD 10 CENTS EXTRA FOR FIRST QUART, AND 2 CENTS FOR EACH ADDITIONAL QUART FOR POSTAGE

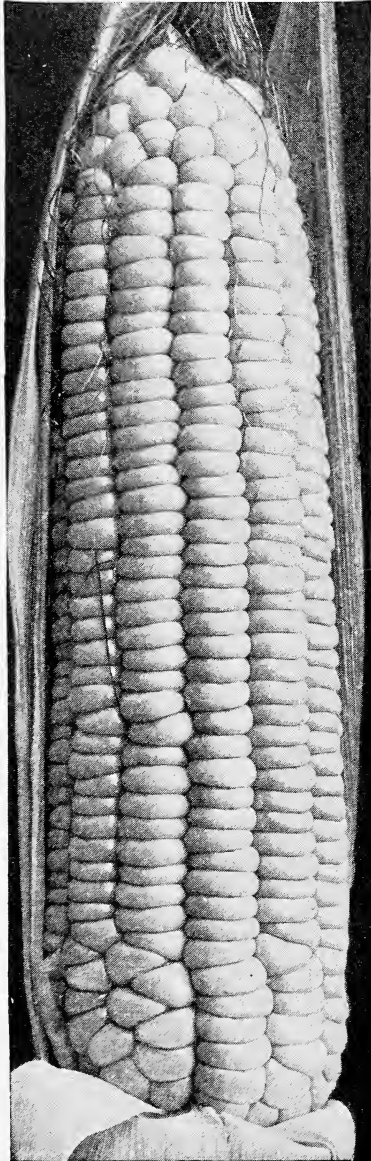
Sweet or Sugar Corn

One quart plants 200 hills;
1 peck to the acre

The white varieties of Sweet Corn listed on this page are all of the highest quality. The descriptions are dependable, the seed is the best that can be procured, and the varieties are sufficient to meet all needs—early, medium, and late. Following is their rotation of maturity: Alpha Earliest, Mammoth White Cory, Howling Mob, Whipple's Early, Rice's Early Evergreen, Country Gentleman, and Stowell's Evergreen—a continuous rotation from midsummer to late fall.

IF CORN IS WANTED BY PARCEL POST, ADD POSTAGE, 10 CTS. EXTRA FOR FIRST QUART, 2 CTS. FOR EACH ADDITIONAL QUART. SWEET CORN WEIGHS 42 POUNDS PER BUSHEL

Alpha Earliest. We all want Sweet Corn from the garden just as early as we can get it. This is where Alpha comes in. It matures three to four days before any other kind is ready. The ears are 5 to 7 inches long and have 8 rows of large white kernels of good quality—much better than most of the very early kinds. Pkt. 10 cts., $\frac{1}{2}$ pt. 20 cts., pt. 30 cts., qt. 50 cts., 4 qts. \$1.75, pk. \$3, bus. \$10.



Whipple's Early Sweet Corn

Mammoth White Cory. The earliest large Sweet Corn of quality. One of the sweetest Corns grown. Our stock of this popular extra-early Sweet Corn has been bred for earliness, size, and sweetness, and we recommend it to all our customers who specialize in extra-early Sweet Corn. Usually produces two handsome ears on each stock, 7 to 8 inches long, having 10 to 12 rows of broad, pearly white grains, tender and sweet, of the best table quality. Pkt. 10 cts., $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. \$1.25, pk. \$2.25, bus. \$8.

Howling Mob. A Sweet Corn that produces, early in the season, a large ear possessing the paper whiteness and the sweet flavor of the late varieties. Ears measure 8 to 9 inches, with 12 to 14 rows of good-sized pearly white sugar-sweet grains. Pkt. 10 cts., $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. \$1.25, pk. \$2.25, bus. (42 lbs.) \$8.

Whipple's Early (White). A new early Corn almost as large as Evergreen and, like it, with deep, narrow kernels that are tender, very sweet, and delicious. It looks like Evergreen, tastes like Evergreen, yet matures three weeks earlier. A money-maker for the gardener. Pkt. 10 cts., $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. \$1.25, pk. \$2.25, bus. (42 lbs.) \$8.

Rice's Early Evergreen. Possesses the good qualities of Stowell's Evergreen and matures fully a week earlier—about August 1. Stalks about 7 feet high; ears 7 inches or over; kernels deep, narrow, tender and very sweet. Stays in its prime a long time. A splendid home-garden or market type. Pkt. 10 cts., $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. \$1.25, pk. \$2.25, bus. (42 lbs.) \$8.

Stowell's Evergreen. Considered the standard late or main-crop variety throughout the country. Our strain of this is extra choice and we spare no efforts to constantly improve it. The standard for canning. Pkt. 10 cts., $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. \$1.25, pk. \$2.25, bus. (42 lbs.) \$8.

Country Gentleman (Shoe-Peg). Exceptional quality and depth of grain make this one of the best eating varieties. Besides, it remains tender and fit for use longer, perhaps, than any other sort. Pkt. 10 cts., $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. \$1.25, pk. \$2.25.

Pop-Corn

Queen's Golden. A smooth yellow variety that is very prolific and of excellent quality. The grains pop perfectly white and very large. Ears 6 inches long, well filled; kernels smooth, and a rich golden color; cob white. Usually bears two ears to a stalk. Pkt. 10 cts., $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. \$1.25, pk. \$2.25, bus. \$8.

White Rice. An old standard variety that matures a little earlier than Queen's Golden. The ears are shorter; kernels deep, sharp, and of a pale yellow color. Very prolific and of excellent quality when popped. Pkt. 10 cts., $\frac{1}{2}$ pt. 15 cts., pt. 25 cts., qt. 40 cts., 4 qts. \$1.25, pk. \$2.25, bus. \$8.

Fordhook Emperor Celery

An acquisition of outstanding merit, and a Celery of unsurpassed quality, that meets the exactions of the large and small grower for an extra-good sort. A dependable cropper and good keeper, Fordhook Emperor is of true dwarf type, having rich dark green foliage with slightly savoyed leaves. It is of the same high quality as Giant Pascal but, unlike that and other quality Celeries, is less likely to produce hollow stalks. The stalks are smooth, brittle, very thick, solid and of a decided nutty flavor, blanching white, with a heart tinged yellow. Pkt. 10 cts., $\frac{1}{2}$ oz. 35 cts., oz. 65 cts., $\frac{1}{4}$ lb. \$2, lb. \$7.50.

Golden Plume or Wonderful Celery

A most excellent addition
to the Celery family

This new strain of Celery resembles the Golden Self-blanching, but is much larger and ranker in growth, blanches more quickly, matures earlier, and shows less tendency to blight. It has unquestionable merit in quality, flavor, sweetness, size and grows well both on muck and upland. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts., $\frac{1}{2}$ oz. 60 cts., oz. \$1, $\frac{1}{4}$ lb. \$3.25, lb. \$12.

Giant Pascal Celery

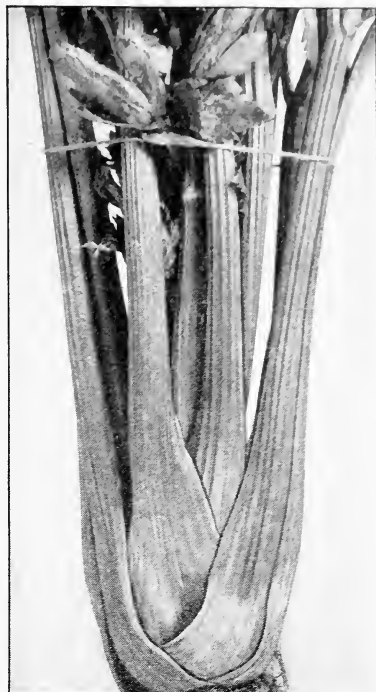
THE FINEST-FLAVORED CELERY GROWN

Giant Pascal is, without doubt, the best Celery for the home market. Has a fine, nutty flavor, is crisp, tender, and a good keeper. Pkt. 10 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.25.

Sanford's Easy-blanching. A tall, easy-blanching sort, that has green leaves, but blanches white instead of yellow. Early, and an excellent winter keeper. Pkt. 10 cts., $\frac{1}{2}$ oz. 25 cts., oz. 45 cts.

Dwarf Golden Self-blanching. French-grown. An early dwarf sort. Pkt. 10 cts., $\frac{1}{2}$ oz. 40 cts., oz. 65 cts.

Improved White Plume. Blanches a beautiful silver-white. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 25 cts.



Fordhook Emperor Celery

Cucumber

One ounce will plant 50 hills;
two pounds will plant an acre



Chaapel's Longfellow Cucumber

Chaapel's Longfellow Cucumber. In this Cucumber we offer the latest and best yet introduced. It is an excellent long, slender, dark green variety 12 to 14 inches long and $2\frac{1}{4}$ inches in diameter. Equally desirable for greenhouse forcing and outdoor culture, and does well in any good garden soil. Its uniformity in size and shape make it the premier Cucumber for the market-gardener that caters to a discriminating trade. If you want the best in Cucumbers, plant Chaapel's Longfellow. Pkt. 10 cts., oz. 25 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

Prices of following varieties, pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25

Long Green, Improved. A standard late, well-known table sort; 12 to 14 inches long, slender, more or less warted, tapering towards the stem end; color dark green, flesh white and firm. We have a superior stock of this variety.

White Spine, Arlington Improved. Very reliable for all purposes.

Early Fortune. Early and productive. One of the most popular varieties for the home-garden.

Davis' Perfect. An extra-long, dark green type of White Spine; retains its color and good qualities long after being picked; fruit is exceptionally long, smooth, and tapering at both ends; flesh crisp, solid, with few seeds; midseason.

Chicago Pickling. A most excellent pickling sort.

Boston Pickling. One of the best for pickling.

Early Cluster. Fruit small; light green. Quite popular for early slicing and pickling.

We always try to write reliable, true descriptions of our Flowers and Vegetables; they will fulfill the promises made for them

Endive

One ounce will sow a row about 200 feet long

Giant Fringed or Oyster. The beautiful, dark green, curly leaves are finely cut or lacinated, giving the plant a feathery effect. It blanches creamy white. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Broad-leaved Batavian. Heads large, leaves broad and slightly wrinkled. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Green Curled Winter. Hardest variety. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

White Curled. For early use. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Pumpkin

Connecticut Field. The popular field variety. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 60 cts.

King of the Mammoths. The giant among Pumpkins. Pkt. 5 cts., oz. 20 cts.

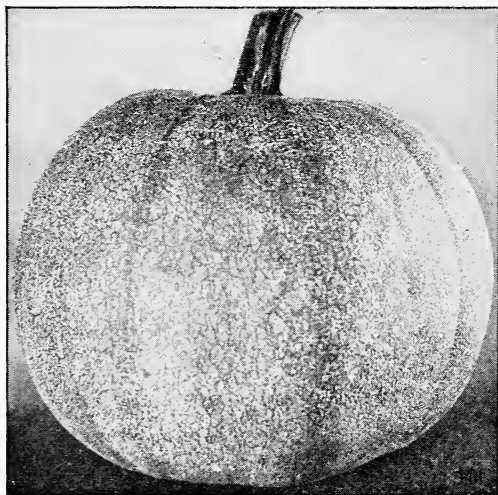
Livingston's Cushaw. Mottled green and white-striped. Pkt. 5 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Small Sugar. The New England pie Pumpkin. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.

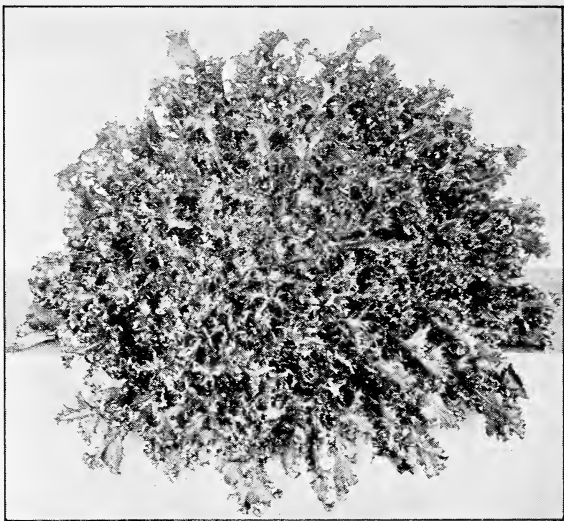
Winter Luxury or Sugar Pie. Round, medium in size, with a golden yellow skin closely netted like a netted muskmelon; of fine quality and an exceptionally good keeper. A superior pie Pumpkin. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Herbs and Other Seeds

	Pkt.	Oz.
Anise. Used for flavoring.....	\$0 10	\$0 15
Basil, Sweet. Leaves used for flavoring.....	10	15
Caraway. Seeds used for flavoring.....	10	15
Coriander. Seeds used for flavoring....	10	15
Dill. Used for flavoring pickles.....	10	15
Fennel, Sweet. Seeds aromatic.....	10	15
Horehound. Very useful for curing coughs	10	30
Kale. Used for greens.....	10	15
Leek. Used for flavoring.....	10	20
Marjoram, Sweet. Used as a seasoning	10	25
Sage. A highly aromatic herb.....	10	25
Saffron. Used for flavoring.....	10	25
Savory, Summer. For flavoring soups..	10	15
Thyme. Used as a seasoning.....	10	30
Wormwood. Has medicinal qualities...	10	25



Winter Luxury Pumpkin



Giant Fringed or Oyster Endive

Garden Cress

One ounce will sow 100 feet of drill; 12 pounds an acre

Broad Leaf or Upland. Has the same flavor as water cress. Green all year; ready before any other salad. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.50.

Extra Curled or Garden (Pepper Grass). Crisp, pungent leaves; finely cut, dwarf, and compact. Used for garnishing. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts.

Water Cress. Pkt. 10c., $\frac{1}{2}$ oz. 20c., oz. 30c., $\frac{1}{4}$ lb. \$1.

Dandelion

Improved Broad-leaved. A new strain, highly recommended for market-gardens. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.50, lb. \$8.

Cultivated or French Common. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.

Eggplant

Black Beauty. The earliest large variety. Pkt. 10 cts., oz. 40 cts., $\frac{1}{4}$ lb. \$1.40, lb. \$5.50.



Hollow Crown Parsnips

Hollow Crown Parsnip

Standard variety. A large cropper, sugary and popular for general cultivation; tapering roots, smooth and fine grained, excellent for winter use. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.

Parsley

Champion Moss Curled. The leaves are a uniform deep green color, very finely cut, and so closely curled as to resemble bunches of moss. One of the most useful and decorative sorts. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Hamburg (Turnip Rooted). The root is the edible portion and is extensively used for flavoring soups, etc. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Liberal packets,
10 cts. each

Lettuce

One ounce will produce
1,500 plants

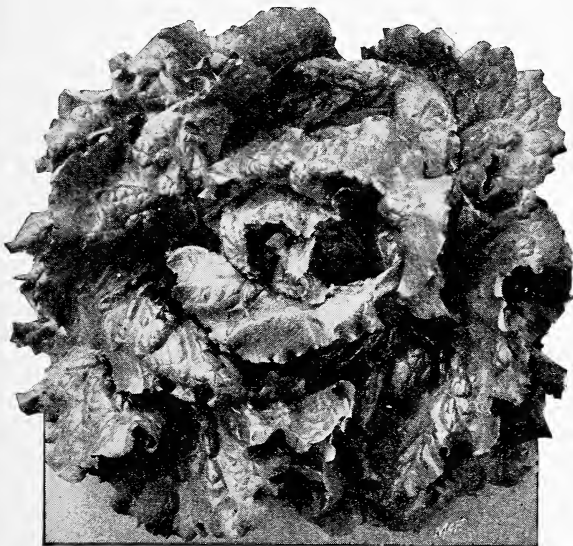
Our Selected Stock of Big Boston. This market variety is very popular for outdoor culture and is also in demand as a compact, large heading, forcing sort for coldframes. The plants are large, very hardy and vigorous. The leaves are broad, comparatively smooth but wavy at the edge, thin, very hard and crisp. In color they are bright light green, the head slightly tinged with reddish brown. The inner leaves blanch to an attractive greenish white, tinged with light yellow. It heads up under cold weather conditions better than any other variety. *Our selected stock of this variety is uniform and true to type. No better stock can be procured at any price.* Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.



Big Boston Lettuce

Black-seeded Simpson. The most popular and earliest Lettuce for the home or market-garden. It does not form a head but a compact mass of leaves, tender, crisp, and of excellent quality; stands heat and outdoor forcing. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Grand Rapids Forcing. This variety is especially adapted to greenhouse and hotframe culture; it is of rapid, upright growth and may be planted close. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

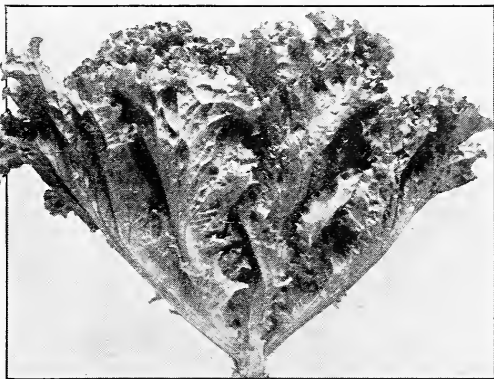


Iceberg Lettuce

Los Angeles, Wonderful or New York. This very large heading Lettuce is desirable not only as a garden variety for summer use but is much used as a fall and winter market sort. The plant is very large but compact and tight heading; the inner leaves form a large head, very sweet and tender. Pkt. 10c., oz. 25c., $\frac{1}{4}$ lb. 75c., lb. \$2.75.

Early Prizehead. This old standard variety is still the best of the large, thin-leaved, clustering sorts for the home-garden, but it is not a good kind to ship long distances, as the leaves are so tender that they are easily spoiled in handling. The leaves are very large, crimped, bright green, tinged with brownish red, and are exceedingly tender, crisp and sweet, forming a large, loose head. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

May King. Heads extra large and solid; green outside, but heart clear yellow; very desirable. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.



Grand Rapids Forcing Lettuce

Crisp as Ice. A slightly elongated, medium-sized, compact-heading variety; leaves very broad, somewhat blistered and crumpled, and very thick and stiff; outer leaves variegated dark brown and green, the brown predominating; quality excellent. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Hanson Improved. Extensively grown by market-gardeners, as it is always sure to make large, handsome heads of excellent quality; inner leaves white. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Iceberg. Exceedingly crisp and tender, heads tightly folded and blanched to a beautiful white. Outer leaves crinkled and light green, growing closely up around the head. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Paris White Cos or Romaine. Blanches very nicely; upright grower. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

No Lettuce is so luscious as that grown in your own garden

MUSKMELON OR CANTALOUPE ONLY THE BEST

Profitable for Market and Desirable for the Home-Garden

Lake Champlain or Golden Champlain.

(Orange.) Combines earliness, quality, and productiveness. Flesh is deep golden yellow, very sweet and melting. A sure cropper. It is not a long-distance shipping melon, but will give you the earliest quality melon for the local market. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

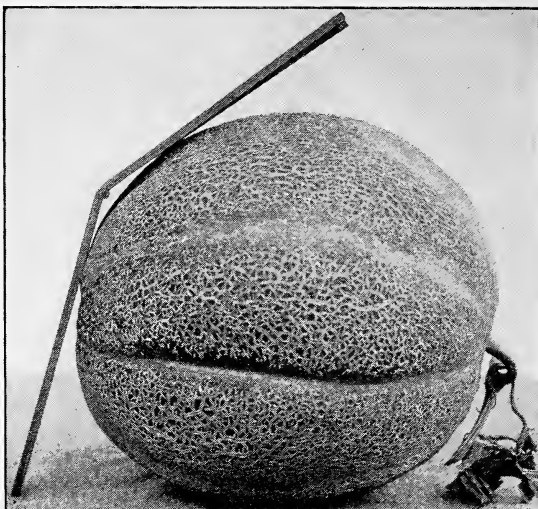
Hale's Best Extra Early. (Orange.)

Thousands of acres of this melon grown by large, expert growers speaks very well for its excellent qualities. The popularity of Hale's Best is due not only to its earliness but particularly to the sweet, tasty flavor of its beautiful salmon flesh. Very profitable as a shipping melon on account of its extreme earliness. Even in a season remarkable for its coolness, the fruits matured to luscious sweetness in 68 days after planting. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Honey or Sugar Rock. (Orange.)

This is a very distinct, valuable variety. The flesh is extremely thick, of salmon color, and it is round, with heavy, coarse netting. It seems to be very early, prolific, and desirable from all angles. Pkt. 10 cts., oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.50.

Extra-Early Osage. (Orange.) Very prolific, fair-sized, oval fruits, with slight silver netting. The thick orange flesh is fine-grained and of spicy flavor. One of the best medium-sized melons for home-growing and market-gardener's use. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.



Hale's Best Extra-Early Muskmelon

Emerald Gem. One of the best yellow or salmon-fleshed melons. It is sweet and delicious, very prolific, and always sells on the market. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Tip-Top. (Orange.) Fine, nearly round, medium to large melons, evenly ribbed and netted. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Watermelon

Tom Watson. Splendid both for home-garden and shipping; shape long; color dark green; flesh bright red and very solid. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.

Kleckley Sweets or Monte Cristo. Oval shape. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.

One ounce will
plant 50 hills

Cole's Early. Medium size, nearly round. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.

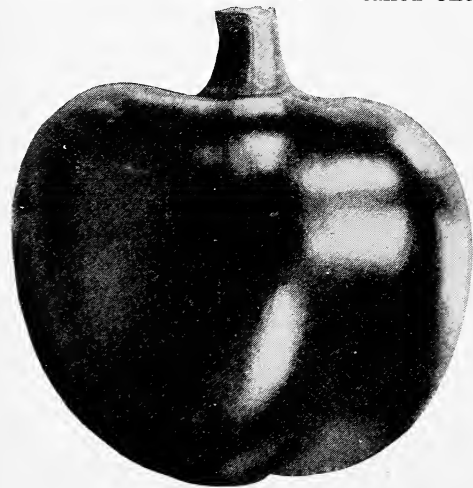
Fordhook Early. Nearly round; flesh bright red. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.

Halbert Honey. Skin dark green; very sweet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1.

Pepper

One ounce will
produce 1,500 plants

Burpee's Sunnybrook. The Sweetest and most Prolific of all Pimiento Peppers. Also called Cheese, Tomato, or Squash Pepper. The Peppers are the shape of a tomato and quite smooth, deep green changing to bright red, when ripe. Flesh extremely thick and of sweet mild flavor. Ripens medium early. An excellent variety for salads. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.



Burpee's Sunnybrook Pepper

Pimiento, "Sweet-Meat Glory," or Sweet Salad Pepper. Fruit of medium size, pointed or top-shaped, very smooth and glossy; exceptionally thick flesh which is firm, sweet, and of the very best quality for either salads, stuffing, or canning. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.50, lb. \$5.

Harris' Early Giant. The earliest and most prolific of the large Peppers and a real acquisition. It matures its fruit but slightly later than Harris' Earliest and is of dwarf, compact growth. The scarlet fruit is 5 inches long and $3\frac{1}{2}$ inches in diameter. Mild and sweet. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Ohio Crimson Giant. It is nearly as large as Chinese Giant, and much earlier and more prolific. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Chinese Giant. The largest and finest mild red variety. Pkt. 10 cts., oz. 75 cts., $\frac{1}{4}$ lb. \$2.

Long Red Cayenne. A small, long, bright red sort. Pkt. 10 cts., oz. 60 cts., $\frac{1}{4}$ lb. \$1.75.

Onion Seed

One ounce will plant 100 feet of drill; 5 to 6 pounds in drills for an acre. For sets, from 50 to 60 pounds should be sown to the acre, according to the richness of the soil

Liberal pkts., 10 cts. each, 1/2 oz. pkts. 20 cts. each, postpaid



Ebenezer or Japanese Onion

Ebenezer or Japanese. This is a very popular Onion, in fact, the quality of this variety is far superior to other kinds and the yield is also larger. Has elegant keeping qualities, carrying through the winter without any loss whatever. Oz. 35 cts., 1/4 lb. \$1.

Bottle Onion. The name describes its shape. It looks like a long round bottle. It grows 6 to 8 inches long and 3 inches in diameter. The skin is red; the flesh white. It is very mild and sweet, a heavy yielder and an excellent keeper of superior quality. It has been grown in this vicinity for a great number of years, so long that we do not know its origin. Heretofore, it has not been grown in a commercial way. The seed and sets that were available always found ready sale among the grower's neighbors, it being esteemed very highly for its unusual qualities by those who have grown it. The seed we are offering is of local growth, true to type, and excellent germination. Supply limited. Pkt. 15 cts., oz. 50 cts., 1/4 lb. \$1.90, lb. \$7.

Yellow Globe Danvers, Our Finest Strain. It is immeasurably superior to the average seed offered, not only in shape and color, but in productiveness. Oz. 35 cts., 1/4 lb. \$1.25.

Large Red Wethersfield. Onion-growers who prefer the red varieties will find our pedigree strain far surpassing the ordinary Red Wethersfield in size, productiveness, and keeping qualities. It is of the finest form; skin deep purplish red; flesh purplish white. Oz. 35 cts., 1/4 lb. \$1, lb. \$3.

Prizetaker. The color is a bright straw, and it always grows to a uniform shape, which is nearly a perfect globe. American-grown, and not imported. Oz. 35 cts., 1/4 lb. \$1, lb. \$3.

Southport Yellow Globe. Like the well-known White Globe except in color of skin; of large size. An excellent keeper; fine for market. Oz. 35 cts., 1/4 lb. \$1.25, lb. \$3.50.

Southport White Globe. A large, globe-shaped Onion; firm, fine-grained, of mild flavor; keeps well. This is one of the handsomest Onions grown, of beautiful shape, clear, white skin, and commands the highest market price. Oz. 35 cts., 1/4 lb. \$1.25, lb. \$3.50. (See illustration below.)

White Queen Pickling. A very good early-maturing pickling Onion. Pure paper-white; from 1 to 1 1/2 inches in diameter; of very mild and delicate flavor; fine for bunching for the early market; also for pickling. Oz. 35 cts., 1/4 lb. \$1.25, lb. \$3.50.

White Portugal or Silverskin. A large, flat, white Onion of mild and pleasant flavor; hard and fine-grained, and a good keeper. Extensively sown for sets, and is also largely grown for pickling. Oz. 35 cts., 1/4 lb. \$1.25, lb. \$3.50.

Onion Sets

THE REASON FOR PLANTING ONION SETS

Yellow Danvers Sets. Our Onion Sets will produce Onions much earlier than by sowing the seeds, which frequently permits the planter to sow another crop on the land the same year. For green or bunch Onions, Sets will produce a crop in half the time it takes to raise them from seed. Qt. (1 lb.) 25 cts., pk. (8 lbs.) \$1.25, bus., market price.

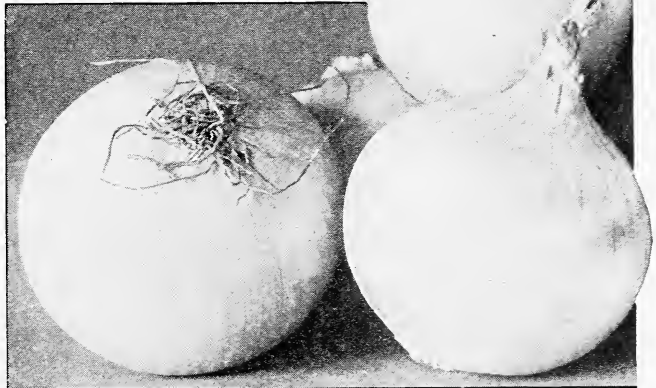
Bottle Onion Sets. This is a long, bottle-shaped Onion, often growing 6 to 8 inches long, and of mild flavor. Qt. 35 cts.; postpaid 45 cts.

Ebenezer or Japanese Sets. By the use of these Sets large ripe Onions of the finest quality can be easily raised. Sets of this variety rarely produce seed-stalks as other kinds do. Qt. (1 lb.) 25 cts., pk. (8 lbs.) \$1.25, bus. (32 lbs.) \$3.50.

White Sets (Silverskin). These make nice-looking and fine-flavored Onions to eat while young. They also produce good large mature Onions of fine quality. Qt. (1 lb.) 30 cts., pk. (8 lbs.) \$1.50.

If by mail, add 10 cts. per qt., 15 cts. per pk., for postage

If you grow Onions for market, ask us for special prices on quantity required.



Southport White Globe Onions

The Best Four EARLY PEAS

Blue Bantam or Hundredfold

A Telephone Pod on a Dwarf Pea

It is unequaled for combination of extreme earliness, superb quality, and unusual productiveness. The dwarf, vigorous vines average 16 inches in height and carry really enormous crops of large, deep bluish green pods. The handsome pointed pods, generally borne singly, measure 4 to 4½ inches long and are tightly packed with eight to ten large, deep bluish green Peas. These Peas are not only large in size, but of *most luscious flavor*. Pkt. 10 cts., ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2, pk. \$3.75, bus. (56 lbs.) \$12. Postage extra, see below.

Laxton's Progress

The earliest and largest Dwarf Pea

This is the earliest of the large-podded dwarf varieties. The pods are as large as Blue Bantam or Hundredfold, 4 inches long, broad and pointed, deep green in color, containing 8 large dark green Peas of very high quality. The vines are 15 to 18 inches in height and are very productive. Laxton's Progress will mature Peas four days earlier than Blue Bantam or Hundredfold. Pkt. 10 cts., ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2, pk. \$3.75, bus. (56 lbs.) \$12. Postage extra, see below.

Improved Thomas Laxton

THE POPULAR MARKET PEA

As a money-maker this Pea surpasses all others

Closely resembling but hardier and a more abundant yielder than the famous Gradus—as a long-podded extreme-early wrinkled Pea—and in some respects is even better! The growth is identical, but the pods are a deeper, richer green and square at the end. In the judgment of experts, Thomas Laxton is even sweeter and finer in flavor and as the large Peas are of a deeper green, they present a more attractive appearance. We highly recommend it for market-gardeners. Our stock of this variety was especially grown for us. Pkt. 10 cts., ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2, pk. \$3.75, bus. (56 lbs.) \$12. Postage extra, see below.

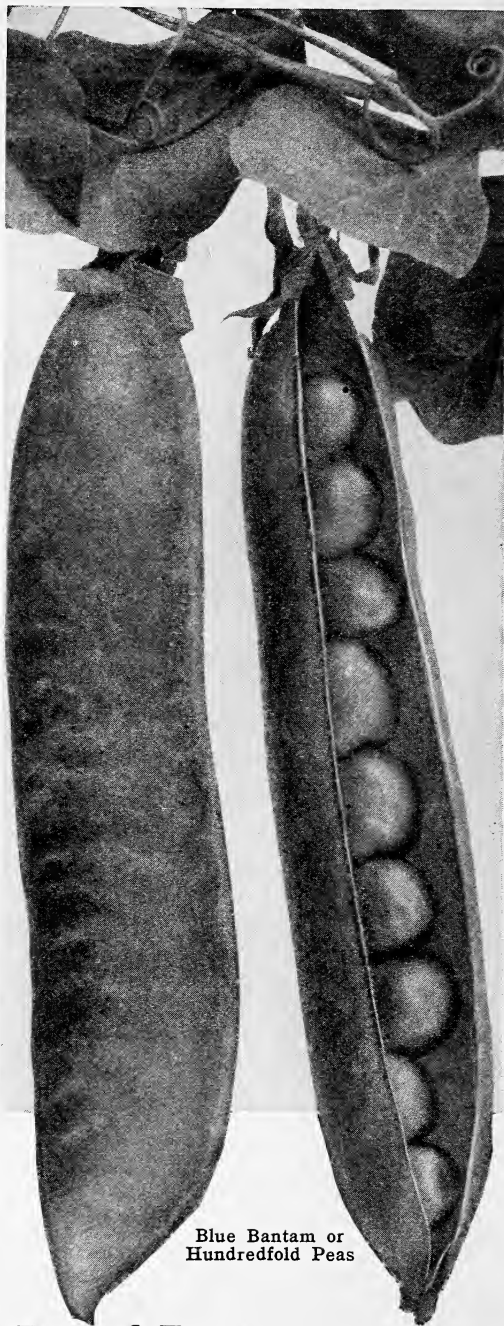
Little Marvel Dwarf Peas

As a large-yielding, short-vine variety, Little Marvel stands at the head of its class

A dwarf, first-early Pea of unusual value. The demand among market-gardeners for this variety is enormous. It is the one early Pea that can be depended upon for a crop, maturing, as it does, at a season most favorable for the development of Peas and at a time when prices are the best.

The vines average 15 inches in height and produce a heavy crop of 2½-inch pods. A desirable Pea for both the home garden and market. Pkt. 10 cts., ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2, pk. \$3.75, bus. (56 lbs.) \$12.

If wanted by parcel post, add postage, 10 cents extra for first quart and 2 cents for each additional quart. One quart of Peas weighs about 2 pounds.



Blue Bantam or
Hundredfold Peas



World's Record or Gradus Pea is one of the best for the home-garden or market

Garden Peas of Special Merit

SELECTED FOR OUR CRITICAL TRADE

Don't stick to the old, antiquated varieties of Peas; surprise yourself and customers with some of the newer and better sorts. Our list embraces the newest and highest types in Pea culture



New Perfection Pea
An Improved Everbearing

World's Record. An Improved Gradus. Slightly earlier than Gradus, more dwarf, true to type, and productive. Vines moderately stout, medium green, pods medium green, 4 inches long, fairly broad, pointed and well filled with seven to nine very large, dark green Peas of exceptional quality. Height 2 feet. Pkt. 10 cts., $\frac{1}{2}$ pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2, pk. \$3.75, bus. (56 lbs.) \$12.

New Perfection. An Improved Everbearing. One of the most excellent, immensely productive second-early or main-crop Peas, and one of the most showy. Vine very sturdy and strong, deep green in color; pods $4\frac{1}{2}$ inches long, quite broad, straight, pointed and medium light green, containing eight or nine very large, sweet, bright green Peas. Height $2\frac{1}{2}$ feet. (See illustration.) Pkt. 10 cts., $\frac{1}{2}$ pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2, pk. \$3.75, bus. (56 lbs.) \$12.

Sutton's Ideal. An English variety, said to be an improvement on Thomas Laxton. Vine and foliage moderately heavy, medium green; pods medium green, $3\frac{1}{2}$ inches long, broad, thick and "stubby" appearing; square ended; pods contain seven medium green Peas of best quality. Fairly productive and in season with Gradus. Height $2\frac{1}{2}$ feet. Pkt. 10 cts., $\frac{1}{2}$ pt. 20 cts., pt. 35 cts., qt. 65 cts., pk. \$3.75, bus. \$12.

Prizewinner. A New Main-Crop Pea. In this splendid variety we have an ideal medium dwarf, main-crop Pea, giving us as many and as large pods as the very tall varieties—in truth it is a fine Dwarf Telephone. The vine is remarkably sturdy, and the foliage is heavy and very dark green. The pods are from $4\frac{1}{2}$ to 5 inches in length, very broad and heavy, straight, pointed, dark green and containing nine very large deep green Peas of most excellent quality. Height $2\frac{1}{2}$ feet. Pkt. 10 cts., $\frac{1}{2}$ pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2.25, pk. \$4.

Sow the earliest varieties as soon as the ground can be worked in the spring. The wrinkled varieties are not as hardy as the smooth sorts and should not be planted quite so early. The rows must not be closer than 2 feet for the dwarf varieties, the taller Peas farther apart, sowing about 1 quart to 75 feet of row.

IF WANTED BY PARCEL POST, ADD POSTAGE, 10 CTS. EXTRA FOR FIRST QUART, 2 CTS. FOR EACH ADDITIONAL QUART

Peas are different from all other vegetables—the seeds are large and only one stem grows from each seed. They do not tiller; the plant is not bushy. They must be planted close together—12 to 16 seeds to the foot.

While a 5-cent packet of lettuce or radishes might suffice for the family garden and yield sufficient portions for numerous meals, a like amount of Peas will not. It requires 1 pint to plant 40 feet of row. Peas form a profitable crop to grow. Plant all you have room for.

OUR POLICY: Reliable Seeds, Reasonable Prices

Garden Peas of Special Merit

Wrinkled varieties are marked with a star (). The height is given after each variety*

LIBERAL PACKETS, 10 CTS., POSTPAID. IF ORDERED BY PARCEL POST, ADD 10 CTS. FOR FIRST QUART AND 2 CTS. FOR EACH ADDITIONAL QUART FOR POSTAGE

Extra-Early Varieties

Alaska. Earliest of all Peas. This variety can be planted as soon as the frost is out of the ground. Pods dark green, well filled and ripening uniformly. One of the best for the market-garden. Height 2½ feet. Blue Seed. ½pt. 15 cts., pt. 25 cts., qt. 45 cts., 4 qts. \$1.75, pk. \$3, bus. (60 lbs.) \$10.

Best Extra-Early. (White seed.) Superior strain of the extra-early Peas; first to plant and most profitable. Height 2½ feet. ½pt. 15 cts., pt. 25 cts., qt. 45 cts., 4 qts. \$1.75, pk. \$3, bus. (60 lbs.) \$10.

***Sutton's Excelsior.** As early as Little Marvel. Vines uniformly 20 inches tall, carrying on an average five or six light green Peas of sweetest flavor. In yield of pods per row, Sutton's outyielded all extra-early sorts except Thomas Laxton. ½pt. 15 cts., pt. 25 cts., qt. 50 cts., 4 qts. \$1.75, pk. \$3.25, bus. (56 lbs.) \$11.

***Nott's Excelsior.** Vines are dwarf and vigorous. Pods average about 3 inches in length. Peas of superior quality. Height 1 foot. ½pt. 15 cts., pt. 25 cts., qt. 50c., 4 qts. \$1.75, pk. \$3.25, bus. (56 lbs.) \$11.

***Premium Gem.** Extra early, prolific, and of delicious flavor. Height 15 inches. ½pt. 15 cts., pt. 25 cts., qt. 50 cts., 4 qts. \$1.75, pk. \$3.25, bus. (56 lbs.) \$11.

Second-Early and Late

***Dwarf Telephone** or **CARTER'S DAISY.** This medium late Pea is of healthy, stocky growth, with dark green vine and foliage, and very productive. The green pods are 5 inches long, straight and pointed, containing nine or ten large, luscious green Peas of the best quality and flavor. A desirable garden Pea. Height 2½ feet. ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2, pk. \$3.75.

***Champion of England.** One of the richest, best-flavored late Peas; well known and popular. Vines stout, deep green; pods often in pairs, medium green, 3½ inches long, straight, nearly round and blunt ended, containing eight light green Peas; productive. Season following Telephone. Height 4 feet. ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2, pk. \$3.75, bus. (56 lbs.) \$12.

Inoculate
this seed with
NOD-O-GEN



Sutton's Excelsior Peas

***Improved Telephone.** The best strain of this well-known standard variety. The vines are vigorous, with heavy leaves and broad pods, 4½ inches long, light green in color, and well filled with eight to ten extra-large Peas. Very productive. Quality fine. Height 4 feet. ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2, pk. \$3.75, bus. (56 lbs.) \$12.

Giant Luscious Sugar. A new edible podded sort. Height 4 to 5 feet. ½pt. 30c., pt. 50c., qt. 75c.

Mammoth Melting Sugar. (Edible pods.) Large, broad pods, very brittle and stringless. Height 4 feet. ½pt. 20 cts., pt. 35 cts., qt. 65 cts., 4 qts. \$2, pk. \$3.75, bus. (60 lbs.) \$12.

Improved
Telephone
Peas



Radishes

One ounce will sow 100 feet of drill

The small, round, short-top Radishes of the red and white-tipped sorts are the quickest in maturing. Of the white varieties, Long Icicle is supplanting all other varieties because of its excellent, superior quality. French Breakfast is the ideal olive-shaped Radish. The summer varieties are the Long Chartier, White Strasburg and Lady Finger. The most popular of the winter varieties is the White Chinese (Celestial), producing large roots, clear white in color.

Radishes to be crisp and tender, must be grown quickly in rich, loose soil and gathered before reaching full size, as they soon become soft and pithy; this is especially so of the small turnip-shaped varieties—the long varieties will “stand longer.” Seed should be sown thinly in drills when the trees are starting in leaf, and successive plantings made one week apart.

Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 35 cts., lb. \$1

Scarlet Button (Non Plus Ultra). Excellent forcing and open-ground Radish.

Long White Icicle. The finest white variety.

Early Scarlet Turnip, White-tipped. Popular. Early, crisp and tender.

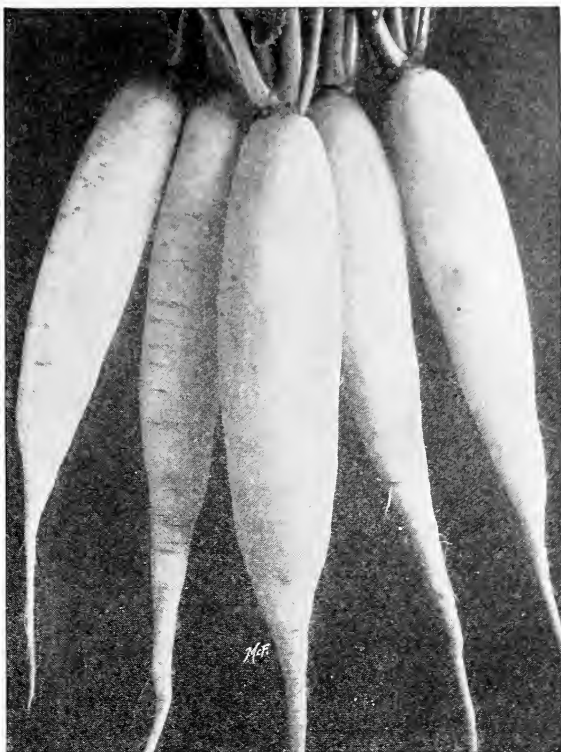
Sparkler White-tipped. The white extends farther up on the Radish and on this account is more popular in some markets.

White Strasburg. One of the most popular summer sorts. Roots long, quite thick.

Vick's Scarlet Globe. We have an exceptionally fine stock of this superb variety. It is one of the very earliest of the forcing Radishes and does equally well outside; roots are of fair size, globe-shaped and with a small top; always crisp and tender; color a bright scarlet.

Cincinnati Market. A desirable market variety with roots similar to Early Long Scarlet Short-Top, but averaging longer, deeper red in color, and remaining a little longer in condition for use.

Crimson Giant. Best Radish for hot weather.



Long White Icicle Radishes

French Breakfast. Pink and white; olive-shaped.

Long Scarlet Short-Top. Most popular early.

Long White Lady Finger. Fine for summer.

Long Chartier. Tender and crisp; best for summer.

Long Black Spanish. For fall and winter.

Rose China Winter. For fall and winter use.

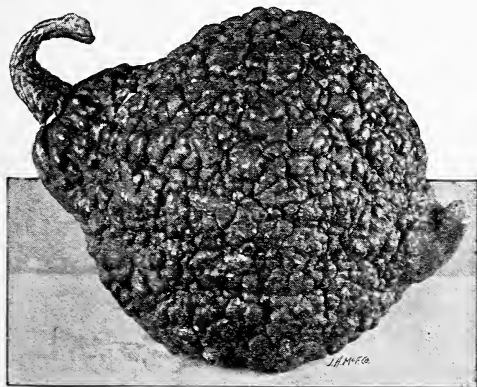
White Chinese or Celestial. For fall and winter.

The most popular and profitable variety.

Squashes

The Squashes are a very desirable addition to the garden—those who love a tempting, luscious dish will find the Summer Squash indispensable. The Hubbards and other varieties of Winter Squashes are easily stored and very palatable when cooked, and make delicious pies when the thermometer hovers around zero.

Liberal packets, 10 cts. each



Warty Hubbard Squash

DELICIOUS. A fall-winter sort; top shaped; dark green but sometimes of a lighter shade; flesh orange, very dry and delicious. Oz. 20c., $\frac{1}{4}$ lb. 50c., lb. \$1.75.

Boston Marrow. Fine fall variety; flesh yellow and firm. Oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Mammoth White Bush, Scalloped or Patty Pan. Early. Summer. Oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Golden Summer Crookneck. One of the earliest summer varieties. Oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.25.

Giant Summer Straightneck. A selection from the Crookneck Squash but with a straight rather than a crooked neck, and thus being more easily packed for shipment. Oz. 20 cts., $\frac{1}{4}$ lb. 60 cts., lb. \$1.75.

Warty Hubbard. The standard Winter Squash. A superior strain. Oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Golden Hubbard. Earlier than Warty Hubbard; equal in quality. Oz. 20 cts., $\frac{1}{4}$ lb. 50 cts., lb. \$1.75.

Mammoth Chili. The largest variety, attaining an enormous size under high cultivation. Oz. 15 cts., $\frac{1}{4}$ lb. 45 cts., lb. \$1.50.

Spinach

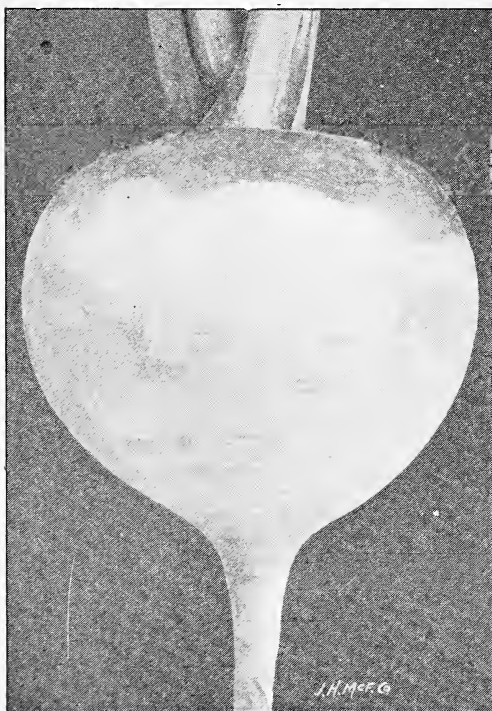
One ounce will sow a row about 100 feet long

Long-Standing Bloomsdale Savoy. We have been much impressed with the value of this new Spinach. It grows rapidly and the leaves are large, dark green, and very much curled and blistered, like the best type of old Savoy-leaf or Bloomsdale. This new strain stands **a week longer** than ordinary Savoy-leaf and is much larger. We regard this new Spinach as one of the very best early varieties for spring sowing and also excellent for fall sowing for early spring use as it is very hardy. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 45 cts.

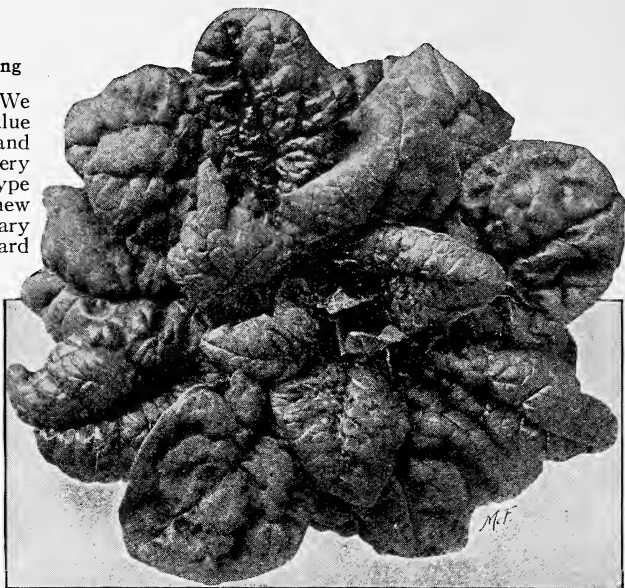
Savoy-leaved or Bloomsdale. Leaves very curled and crumpled. It is early and very hardy; splendid for fall use. Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 15 cts., lb. 45 cts.

New Zealand. Unlike true Spinach in type and in that it thrives during hot weather and in any soil, rich or poor. The tender shoots are of good quality and may be cut throughout the summer. The plant becomes very large and spreading. Plant three or four seeds in hills 2 feet apart each way. Germination of the seed can be hastened by soaking in warm water twenty-four hours. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

"An ounce of prevention is worth a pound of cure" applies to the use of insecticides. Get the bugs before they get your plants. See pages 52, 53.



Purple-Top White Globe Turnip



A perfect plant of Long-Standing Bloomsdale Spinach

Turnip

Pkt. 5 cts., oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 60 cts., except where noted

Purple-Top Strap-Leaf. Best-known variety.

Purple-Top White Globe. A popular sort.

White Egg. Pure white; egg-shaped; early or late.

White Globe. White, round, large cropper.

Extra-Early White Milan. Probably the earliest of the flat Turnips. Both skin and flesh are pure white; flavor is mild and sweet. Pkt. 10 cts., oz. 15 cts., $\frac{1}{4}$ lb. 40 cts., lb. \$1.25.

Amber Globe. Excellent for table. Flesh yellow, firm, and fine-grained. A good keeper and cropper.

RUTABAGA, Improved American. Purple top, yellow skin. Oz. 10 cts., $\frac{1}{4}$ lb. 30 cts., lb. 75 cts.

Salsify or Oyster Plant

This plant is used as a substitute for oysters, and we like it fully as well as the oysters themselves. It is used either in soup or scalloped with best results. Before the ground freezes the roots should be dug and stored as you would other root crops. Light freezing greatly benefits the flavor.

Mammoth Sandwich Island. Pkt. 10 cts., $\frac{1}{2}$ oz. 15 cts., oz. 30 cts., $\frac{1}{4}$ lb. 75 cts., lb. \$2.50.

TOBACCO DUST

Save your Radishes and Turnips from worms. Strew it generously in the row before sowing. It acts as a repellent for many insects infesting the soil. Deserves much more general use. Dusted over Cucumbers, Melons and Squashes it helps greatly to rid these vines of the destructive bugs. Apply in the morning when the plants are covered with dew. **5 lbs. 35c., 25 lbs. \$1.25, 50 lbs. \$2, 100 lbs. \$3.75. Postage extra.**

Tomato

One ounce will produce 1,500 plants. Liberal packets. 10 cts. each

Marglobe

A new and distinct Tomato developed by Dr. F. J. Pritchard of the U. S. Department of Agriculture

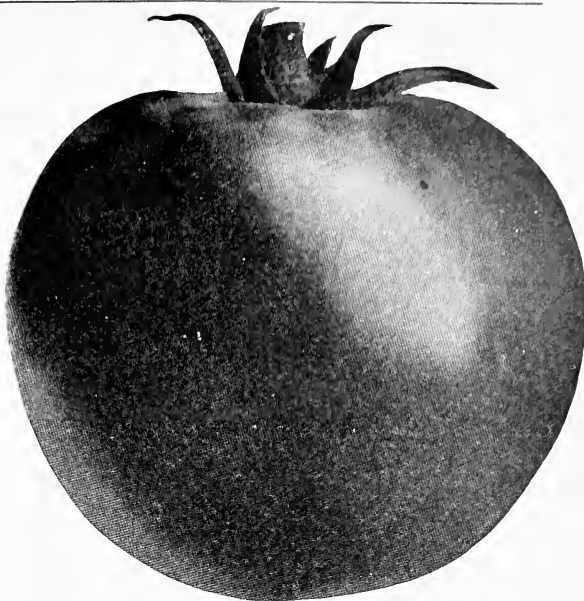
The Marglobe is particularly resistant to certain fungous diseases—leaf-spot, blight and others that cause many crop failures. The Marglobe fruits are smooth, globular, meaty, almost coreless, and deep scarlet in color. They ripen uniformly, even around the stem, and resist cracking well. Pkt. 10 cts., oz. 50 cts., $\frac{1}{4}$ lb. \$1.75, lb. \$6.

Break o'Day. The earliest, disease-resistant, globe-shaped, scarlet-fruited, meaty Tomato yet introduced. It is 10 to 12 days earlier than Marglobe, and very productive. Break o'Day will fill a long-felt want for an early Tomato with the good qualities of the popular later sorts. It was developed by Dr. Fred J. Pritchard, senior Physiologist of the U. S. Dept. of Agriculture. Fruits are of the Marglobe type—deep globe-shaped, solid, meaty, with few seeds, and a beautiful scarlet color. Excellent for home-gardens, truck farmers or canners. It is destined to be the "PEER" of early Tomatoes. Try it. Pkt. 25 cts., $\frac{1}{2}$ oz. \$1.10, oz. \$2, $\frac{1}{4}$ lb. \$7, lb. \$25.

Chalk's Early Jewel. Within 2 weeks as early as the famous Earliana, it is even a heavier cropper, with Tomatoes of larger size and sweeter flavor. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1.

John Baer. An early, productive, red Tomato on the order of Chalk's Jewel. We have a splendid, uniform stock of this variety. Oz. 35 cts., $\frac{1}{4}$ lb. \$1.

Marglobe Tomato



Matchless. A very dependable, large, smooth, second-early sort; makes a good canning variety; color cardinal-red. Pkt. 10 cts., oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

New Stone. A great favorite with gardeners; the heaviest and most solid-fruited of the large Tomatoes of good quality. Oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

Crimson Cushion or Beefsteak. Crimson; extra large. Oz. 60 cts., $\frac{1}{4}$ lb. \$1.75.

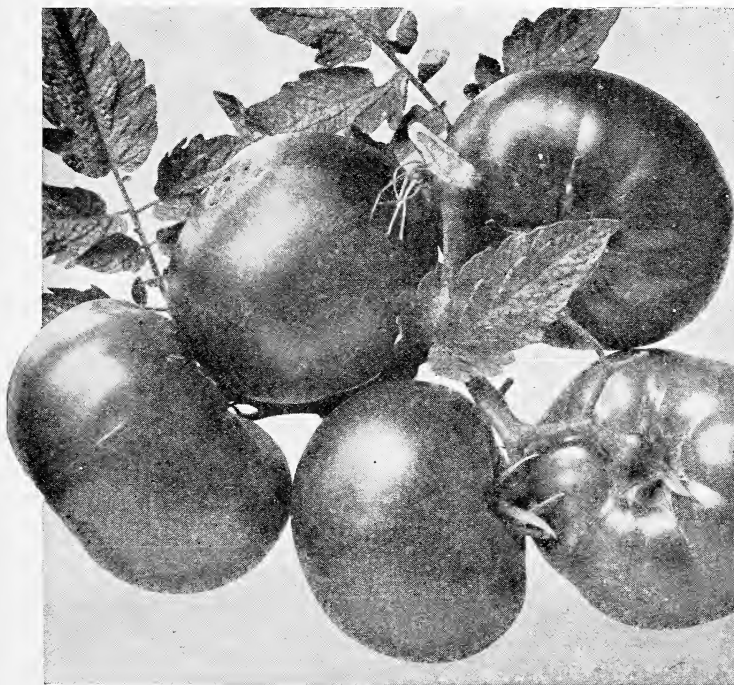
Ponderosa. Very large, solid and of good flavor; specimens have been grown to weigh 4 lbs.; color bright red. Oz. 75 cts., $\frac{1}{4}$ lb. \$2, lb. \$6.

Earliana, Extra-Early. (Selected Stock.) Our special strain of this well-known early Tomato has been selected by an expert for earliness, making it possible for the grower to take advantage of the highest market. Oz. 35 cts., $\frac{1}{4}$ lb. \$1, lb. \$3.50.

Golden Trophy, Pear-shaped Red and Pear-shaped Yellow, Red Cherry. Oz. 35 cts.

Bonny Best Early Tomatoes

This variety is a vigorous grower; enormously prolific. In shape it is slightly flattened but thicker through than most other Tomatoes. In color it is a beautiful scarlet-red, setting its fruit in clusters of five or more at close intervals. Makes a magnificent variety for slicing. A good early red-skinned variety for all purposes. Oz. 40 cts., $\frac{1}{4}$ lb. \$1.25, lb. \$4.



Grimm Alfalfa THE GENUINE CERTIFIED GRIMM

**Inoculate
Clover and Alfalfa
Seed with
NOD-O-GEN**

All dairymen should grow Alfalfa where it possibly can be grown; a dairyman can afford to go to considerable expense to get this valuable crop established on his farm. Alfalfa as a hay crop has double the feeding value of other hays; it produces three to seven tons per acre and grows three to five crops per season.

In the past, some farmers have not succeeded in getting and maintaining a stand of Alfalfa, which was due, we believe, to several reasons, such as a lack of lime in the soil, improperly prepared seed-bed, and the wrong kind of seed. With the increased knowledge we have obtained of and about this important crop during the past few years, these obstacles are, in a measure, overcome.

By sowing Grimm Alfalfa seed, the localities where Alfalfa can be successfully grown have been greatly increased. Our Grimm Alfalfa seed is produced in the northwestern states where the climate is much colder and the winter longer than in the eastern states. It is more hardy than the other strains of Alfalfa; it has a different root system and can be grown on shallower soil. The root system of the Grimm is of a spreading nature, more like the root system of our Red Clover. Due to the nature of the root-growth of Grimm Alfalfa, it has a better chance to come through the winter in good shape. Our stock of Grimm Alfalfa seed comes to us from the growers in sealed and certified bags and is guaranteed by the Farmers' Association to be the genuine strain of Grimm Alfalfa. Lb. 60 cts., bus. \$21.

Alfalfa (Northwestern-grown)

Alfalfa produces from 3 to 7 tons of hay to the acre. It has as much protein as wheat-bran. Three hundred and sixty stalks have been grown from 1 seed. It does not exhaust the soil, but enriches it. It will grow three to five crops a year. Alfalfa in money value is worth 45 per cent more than other Clovers and 60 per cent more than Timothy. Ten milch cows can be fed on less than 2 acres by soiling. Our northwestern-grown Alfalfa seed is adapted to any well-drained, properly limed, prepared seed-bed with an open, deep subsoil such as our bottom lands and shaly hill soils. It will not do well where the soil is thin and underlaid with an impervious hardpan. The seed of this strain of Alfalfa is grown in the mountainous northwestern section of our country where the climate and soil conditions are similar to those of our eastern states. Lb. 35 cts., bus. \$18.



Alfalfa



Timothy

Soy Beans (The Great Soil-Improver)

Soy Beans can be grown in all parts of the country where dent corn succeeds and on a greater variety of soils than any other legumes.

Wilson. This variety in some ways excels all others as a forage crop. The stalks and branches are slender and we think probably it would make the most hay and a little the best quality of any variety. It matures in 125 days. Sow 40 pounds to the acre. Pk. \$1.25, bus. \$4.

Sand or Winter Vetch

For forage and fertilizing purposes. It succeeds and produces good crops on poor, sandy soils as well as on good lands, growing to a height of 4 to 5 feet. It is perfectly hardy throughout the United States, remaining green all winter. If sown in the spring it can be sown alone or mixed with oats, spring rye or barley. If sown during August or September, winter rye serves as a good support. The root-growth is very extensive from the beginning, and makes quantities of nitrogen tubercles, thus giving it very valuable fertilizing properties. Grow your nitrogen. Sow thirty to forty pounds to the acre with one-half bushel rye, oats or barley. Lb. 25 cts., bus. \$10. Prices subject to change.

**Inoculate
this seed with
NOD-O-GEN**

Timothy

As a crop for hay, Timothy is probably unsurpassed by any other grass. It should not take an intelligent farmer long to figure the wisdom of investing his time and money in reliable seed. Lb. 20 cts., bus. (45 lbs.) \$5.50.

Clover Seed

All our tested farm seeds are sold under the provisions of the Pennsylvania Pure Seed Law



Medium Red Clover

Medium Red Clover (Domestic-grown)

The Red or June Clover is probably more generally grown than any other. This crop is the standby for American farmers, both for hay and soiling. Much publicity has been given this important crop during the past few years as to the adaptability of seeds from southern sections when planted in the northern states. It is agreed among investigators that seed for planting under Pennsylvania farm conditions should be northern-grown, to stand our harsh winter and early spring conditions. We take great pains to offer our trade only seed of the Medium Red variety that is northern-grown, as free as possible from weeds, and of the best germination. Our Domestic Medium Red Clover is always the best procurable. As the market rates on Clover and other farm seeds are continually fluctuating, the prices here quoted are those prevailing as we go to press, and are inserted as a guide. As the market advances or recedes, our prices are also changed. Lb. 50 cts., bus. (60 lbs.) \$20. Write for firm prices before ordering.

Crimson or Scarlet

An annual of strong, erect growth. Lb. 25 cts., bus. (60 lbs.) \$10.

Alsike or Swedish

This is one of the hardiest varieties known. It is perennial and does not winter-kill. It will do better on moist land than any other variety of Clover, and is suitable for either hay or pasture. When sown with other grasses, it forms a thick undergrowth and greatly increases the yield. It is frequently sown both with Medium Red and with Timothy. Lb. 50 cts., bus. (60 lbs.) \$17. (Prices subject to market changes.)

If wanted by parcel post, add postage, 7 cts. for the first pound, and 1 cent for every additional pound, within the First and Second Zones. Seamless 2-bushel bags, used in shipping, 35 cts. each.

PRICES ON FARM SEEDS SUBJECT
TO MARKET CHANGES

Mammoth Red Clover (Domestic-grown)

Pea Vine or Sapling Clover. A large, rank-growing Clover, ripening at the same time as Timothy, producing an enormous yield. It is a valuable plant for our depleted, worn-out hills, producing a satisfactory yield. Our stock of this Clover is the Genuine Mammoth. Lb. 50 cts., bus. (60 lbs.) \$20.50. (Prices subject to market changes.)

Imported French Clover Seed

After four or five years' observation, we are of the opinion that our Imported Adaptable Red Clover Seed (Stained Green) is as well adapted to our farm conditions as the domestic-grown seed, and in some respects is far superior, especially if the domestic seed is of southern origin. Domestic seed of southern origin is just as unsatisfactory for our northern conditions as is imported seed of southern European origin. The only difference, as we see it, is that the United States Government protects the farmer against unadaptable foreign seed by staining it red, while our domestic seed of southern origin contains no identification marks. Northern-grown Clover seed brings a premium over southern-grown seed. As a protection to our farmers, the United States Government identifies Clover seed grown in northern Europe as adaptable to our farm conditions by staining it green. The Imported Seed we are offering this season is of the highest quality. The berries are plump and bright, the germination high, and the purity above 99 per cent.

Imported French Clover. Lb. 40 cts., bus. (60 lbs.) \$16. (Prices subject to market changes.)

Perennial White Sweet Clover

(*Melilotus alba*)

Inoculate
this seed with
NOD-O-GEN

A legume of immense size and rank growth. It has great value as a soil improver. Excellent for hay and pasture.

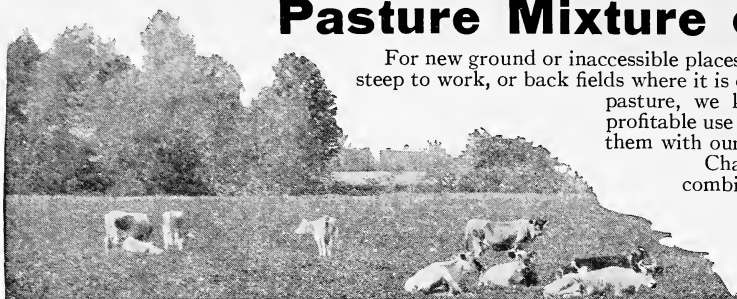
Sweet Clover will grow on almost any soil where proper amounts of lime have been applied. Its immense growth (8 to 10 feet), and its ability to gather nitrogen from the air and deposit it in bacterial nodules on the roots, together with the large amounts of humus it supplies to the soil when turned down, makes it an ideal crop to improve good soil and a splendid crop to build up poor land.

Sweet Clover makes a good grade of hay and it will produce a larger tonnage than any other legume crop; it averages two or more cuttings per year. Lime well for Sweet Clover, at least $\frac{1}{2}$ ton Hydrated Lime per acre, or its equivalent. Sow 25 pounds per acre. Lb. 25 cts., postpaid; bus. (60 lbs.) \$7.

Yellow Sweet Clover (*Melilotus officinalis*). This is also a biennial similar to White Blossom Sweet Clover, and used for the same purpose. It has a yellow blossom and is about two weeks earlier and not so tall. It does not grow so heavy and coarse. It lays closer to the ground and is considered superior for pasture and makes a finer grade of hay. For those who do not like the White Sweet Clover on account of its rank growth we would recommend the Yellow Blossom. Lb. 25 cts., postpaid; bus. (60 lbs.) \$8.

Pamphlet on Sweet Clover free on request

Pasture Mixture of Grasses



For new ground or inaccessible places, such as hillsides that are too steep to work, or back fields where it is desirable to have a permanent pasture, we know of no better nor more profitable way to put these fields than to sow them with our Pasture Mixture.

Chaaapel's Pasture Mixture is a combination of hardy grasses that will last for years and assure you a constant successive growth of rich pasture from spring until fall. It is composed of such seed as Kentucky Blue Grass, Red Top,

White and Alsike Clover, Meadow Fescue, and Pacey Rye Grass. Sow 30 to 50 pounds per acre. Lb. 35 cts., 100 lbs. \$30.

Canadian Field Peas and Oats FOR FODDER

There is no crop grown on the farm as valuable for summer feeding as Canada Field Peas and Oats, and they are equally valuable in the silo or as hay

It is used both as a green feed and as a fertilizer, and in both places deserves to occupy a very prominent position. As green feed sown with oats or alpha barley early in the spring, it fills a place that no other plant which we have can occupy. The amount of feed produced on an acre is very large. It comes before any other good nutritious feed suitable for hay or soiling. It is greedily eaten by practically all kinds of stock, and is as nourishing as can be desired.

For the Silo. Recent tests, reported by some of the agricultural agents, show that Canada Field Peas and Oats make a very desirable addition to our available crops for silo purposes. Coming on as they do at the time of the year when the silos are empty or partially so, they can be utilized to advantage for these purposes.

These make a fodder and hay which double the production of milk. Pk. 90 cts., bus. (60 lbs.) \$3.50, bag (100 lbs.) \$5.50. Price for larger lots will be quoted by letter at any time.

To Get Best Results from Canadian Field Peas

Sow in early spring, the earlier the better, about one or two bushels each per acre. Drill the Peas in first, about four (4) inches deep, sow the Barley or Oats in the usual manner. Oats should be drilled the opposite way the Peas were drilled for best results. Inoculate this seed with NOD-O-GEN. It insures vigorous growth.

Ready for cutting about the latter end of June, when the Oats are in milk and the pods formed on the Peas. Nutritious and relished by all stock. Choice Northern-Grown Seeds, acclimated and tested for germination. Will produce big crops and improve the land.



A field of Sudan Grass ready to cut

Sudan Grass The Most Wonderful Annual Grass Ever Introduced

Sudan Grass can be grown almost anywhere. It seems to be unaffected by temperature and grows as well in a cool climate as a hot one. It requires no special quality of soil—black loam, clay and sandy loams have all produced successful crops. This valuable Grass completely outdistances all competitors in quantity of yield. Three or four cuttings in a single season, each producing from 1½ to 2 tons of hay per acre, can be secured. A very conservative average is 5 tons of hay per acre each season—it should not be planted until all danger of frost is over and the ground thoroughly warm. Can be sown in drills 18 inches apart, using six pounds per acre, or broadcast, using fifteen pounds. Lb. 15 cts., 10 lbs. \$1.25, bus. (40 lbs.) \$4.80.

Improved Dwarf Essex Rape

VALUABLE FEED FOR CATTLE, SHEEP, AND HOGS

A forage plant of great merit, easily grown on any land that will raise turnips or corn, and will furnish abundant supplies of succulent, rich, nutritious pasture at a season when it is most needed. Under ordinary favorable conditions Rape is ready for pasturing sheep or hogs in about six weeks from date of sowing, and on the average an acre will usually carry about ten hogs six to eight weeks.

As a catch crop after small grain or just before corn is laid by, it is the greatest feed that man could provide for; in fact, it will yield more green feed for pasturing purposes than could be raised from any other crop at anything approaching the same cost per acre. It is often sown broadcast, but will yield much better if drilled in rows 22 inches apart, and cultivated until plants are too large. Seed may be sown in May, but we do not advise sowing until June or July.

Dwarf Essex Rape is not only valuable for pastures, but is most excellent for green manuring. There is no plant which will give so heavy a yield of forage at so small a cost as this.

Resolve now to employ genuine Dwarf Essex Rape, as it is the right thing to do. Sow liberal quantities along with other grain. It will surprise you to find how clean it will keep your land, and what a quantity of green feed you have after the grain is harvested, which is the very time you want it. Sow about 6 pounds per acre if broadcasted, or 4 pounds if drilled.

Lb. 15 cts., 10 lbs. or more, 12 cts. per lb., postage extra



Dwarf Essex Rape

MISCELLANEOUS FARM SEEDS

Mangel-Wurzel Stock Beets

Greatest milk-producing root grown

Mammoth Long Red. This is the giant among Mangels. The roots are of enormous size, very regular and clean, with but small top-growth. The skin is bright, rich red, and the roots, which frequently exceed 2 feet in length, grow from one-half to two-thirds above the ground. The maximum tonnage per acre is produced by this variety. Oz. 10 cts., $\frac{1}{4}$ lb. 20 cts., lb. 50 cts., 10 lbs. \$4.

Kentucky Blue Grass

This makes the best, sweetest, and most nutritious pasture for all stock. It is the first to start up in the spring and remains green until snow flies. It is very hardy and is uninjured by cold or dry weather, hot sun, or tramping of hoofs. The roots are so thick and stout that they form a tough sod. Blue Grass requires about two years to get well started and for that reason it is often sown in mixture with other grasses. Lb. 45 cts., bus. (14 lbs.) \$5.

Millet

Tennessee or Golden. Produces a very fine quality of hay and makes a large seed-head. In good seasons it grows about 4 feet high. Sow 1 bushel (48 lbs.) broadcast to the acre, from April 10 to July 10. Lb. 15 cts., bus. market price.

Orchard Grass

It is well suited for shady places, such as orchards and groves. Lb. 35 cts., bus. (14 lbs.) \$4.

Alpha, Two-rowed Barley

This is the late variety that ripens with oats. Sow $2\frac{1}{2}$ bushels per acre as early as ground can be worked. Bus. (48 lbs.) \$2.25.

Rosen Winter Rye

This new Russian Rye is said to be the best variety now grown. Sow $1\frac{1}{2}$ bushels per acre. Bus. \$2.

Mammoth Russian Sunflower

Highly valued as an excellent and cheap food for cattle and fowls and especially for parrots. Lb. 20 cts. (postpaid 25 cts.), 10 lbs. \$1.25, 100 lbs. \$10.

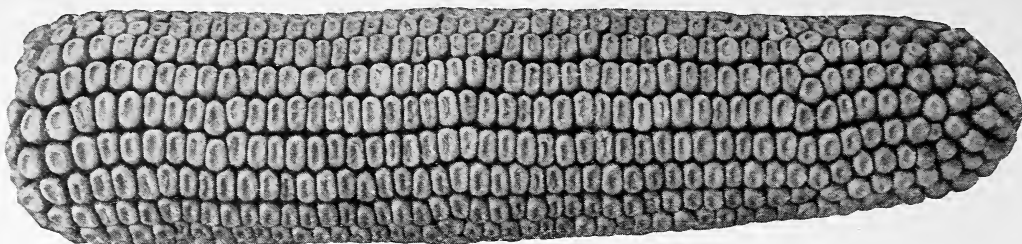
Red Top (Solid Seed)

The place for Red Top is on rather moist soil, deficient in lime and fertility. It will grow where the soil is too poor for timothy and Kentucky blue grass. Good to sow with timothy and clover for meadow or pasture and is more permanent than either. Lb. 35 cts., 10 lbs. or more, 30 cts. per lb.

BROOM CORN SEED FOR MEDICINE

Lb. 25 cts. (postpaid 30 cts.)

Salt Brick. All stock crave Salt licks. This brick contains just the ingredients they require—salt-petre, sulphur, copperas, nux vomica, and a preparation of lime pressed and dried into brick form. It keeps the stock healthy and makes them thrive. Aids digestion and tones up the system. An excellent stock tonic. Just drop it in the trough, the stock will not eat more than they want and it cannot hurt them. Per brick, 25 cts. By mail, postpaid, 35 cts.



Quenshenaque Yellow Dent Corn

Northern-Grown Seed Corn

MOST VARIETIES ARE LOCALLY GROWN, SELECTED BY HAND, AND GRADED

ALL OUR SEED CORN IS TESTED FOR VITALITY BEFORE YOU GET IT

Plant 8 to 10 quarts to the acre in hills; sow $2\frac{1}{2}$ to 3 bushels broadcast for fodder

West Branch Sweepstakes

Biggest Ears, Biggest Fodder, Earliest and Best Ensilage Corn for the North

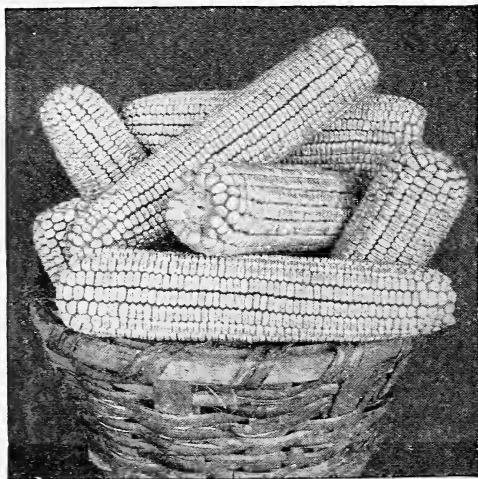
This Corn originated in Lycoming County. Formerly a White-Cap Yellow Dent, it has become mixed with other varieties until now a type of its own has become established. Our stock is original and is grown in Lycoming County, on the best farms of the Susquehanna River bottoms.

The genuine West Branch Sweepstakes is a Corn of mongrel appearance, hardly any two ears look alike—a characteristic of the variety. All ears contain the same blood, all yield about the same amount of green fodder of equal height and weight, and mature at the same time, and the ears run uniform in size. This being the desired aim of the silage users, its mixed appearance only adds to its desirability where it is grown and known. A great silo Corn for northern Pennsylvania, New York, and down-eastern states.

It is a big Corn. The stalks are very large, $1\frac{1}{2}$ to 2 inches in diameter and 12 to 15 feet high. The foliage is long, broad, and heavy, starting well down to the ground, with an abundance of leaves, and produces from 15 to 25 tons of silage per acre. The ears are large, averaging a foot long and 10 inches in circumference, containing 14 to 20 rows of red and golden grains, white capped with a decided reddish cast. Pk. \$1, bus. \$3.50.

QUENSHENAQUE YELLOW DENT.

An early-maturing Yellow Dent, grown and bred on the hills of Lycoming County. A Corn of good size and a sure cropper. This Corn ripens properly in its native habitat on the hills, up the Quenshenaque Run. It is a beautiful Yellow Dent with just enough White-Cap blood in it to give it strong vitality and early maturity. It matures in 90 to 100 days. The stalks are 7 to 8 feet tall, and the ears 8 to 10 inches long. We feel safe in recommending this Corn to the growers on hill farms on account of its extreme earliness and strong vitality. Pk. (14 lbs.) 90 cts., bus. (56 lbs.) \$3, postage extra.



White-Cap Yellow Dent Corn

WHITE-CAP YELLOW DENT. Acclimated and grown in Lycoming County, this Corn has never failed to mature properly; vigorous habit, large foliage, and a sure cropper. The ears are large—9 to 11 inches and 14 to 16-rowed—well filled out and showing practically no gloss whatever, thus demonstrating its well-bred propensities. The grains are large, beautiful lemon-yellow, and white-capped. Pk. 90 cts., bus. \$3, add postage.

LONGFELLOW FLINT. This for a long time has been the popular 8-rowed Yellow Flint Corn. It is a very productive variety; ears 12 to 14 inches long and matures where the Yellow Dent fails. Pk. \$1, bus. \$4. If by parcel post, add postage.

In ordering Seed Corn by Parcel Post allow for postage and cost of bags; see Postal Directions, page 1

Prices of all Seed Corn are subject to change without notice. Write for market prices before ordering

ENSILAGE SEED CORN

Lancaster County Sure Crop

HOLDS FIRST PLACE IN THE ESTIMATION OF MANY LEADING FARMERS

Of late many have come to believe that considerable Corn, as well as stalk, should go into the silo—and that where length of season permits, the Corn grains should be well glazed before cutting. Farmers with this viewpoint are firm believers in Lancaster County Sure Crop as the very best Corn for this purpose. Farm Bureau Agents throughout Pennsylvania have become acquainted, through tests with the merits of this variety, with its nutritive value as compared to other silage Corns, and recommend it highly. This variety *grows quite tall—is very leafy—develops ears early—*withstands drought—will develop Corn well to the north. You will be pleased with Lancaster County Sure Crop as a silo-filling variety—rich in its protein content.

You will usually find 14 to 20 rows of grains, all tending to grow curved rather than straight, and set close together, with very little waste space between them. Lancaster County Sure Crop fills out especially well—from butt to tip. The grains are very hard and are not deep, but more square. There is not much cob, so that the proportion of shelled Corn to ear is very satisfactory. An especially good trait of this variety is that it produces a good ear on every stalk in the field. Pk. \$1, bus. (56 lbs.) \$3.75. If mailed by parcel post, add postage.

Virginia-grown Eureka

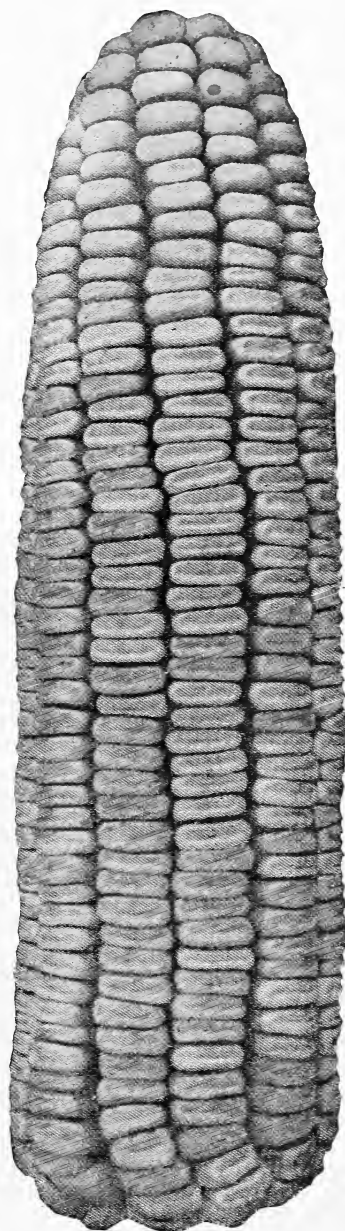
It is the largest Corn we know of, growing from 14 to 18 feet high, on stalks 2 to 2½ inches in diameter, and has a vast amount of foliage. If it is a question of tonnage on your farm, grow Eureka Ensilage Corn. It gives you a succulent, palatable, cheap feed the year around. The seed we offer is the genuine Eureka, grown in the Shenandoah Valley of Virginia, and will give one of the largest crops of Ensilage Corn you have ever had. Pk. \$1, bus. \$3.75.

Blue Ridge

A NEW VARIETY OF ENSILAGE CORN OF GREAT MERIT

Blue Ridge is at least three weeks earlier than its famous prototype, Eureka, with all its good qualities and none of its faults. It is a product of the Blue Ridge Mountains of Virginia, bred for earliness so as to give a glazed ear in this locality at harvest-time. It grows 12 to 14 feet high, on a thick, heavy stalk, well filled with leaves which retain their color well to the ground until harvested. The ears average 10 to 12 inches long; the grain is broad, thick and white, containing an unusual amount of sugar, making this variety the ideal Ensilage Corn, insuring an appetizing and good-keeping silage. (See illustration from an actual photograph, two-thirds natural size.) Pk. \$1, bus. \$3.75. If wanted by parcel post, add postage.

Capacity of Silos			Silage for 200 Days			Average acreage required	Seed required
Height	Diameter	Tons capacity	No. of animals to be fed	Lbs. fed per head per day	Tons silage required		
24 feet	12 feet	54	15	25	32.5	4	24 qts.
28 feet	12 feet	64	15	30	45.0	5	30 qts.
28 feet	14 feet	86	15	35	67.5	7	42 qts.
30 feet	14 feet	92	20	30	60.0	8	48 qts.
32 feet	16 feet	120	20	35	70.0	10	60 qts.
34 feet	16 feet	128	20	40	80.0	10 ½	65 qts.
32 feet	18 feet	162	25	35	87.5	13 ½	85 qts.
34 feet	18 feet	172	25	40	100.0	14	84 qts.
36 feet	18 feet	182	30	35	105.0	15	90 qts.

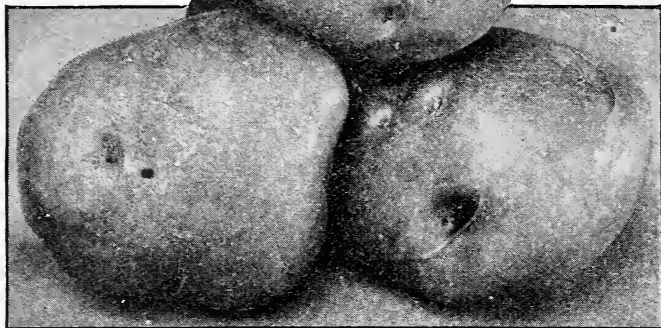


Blue Ridge Ensilage Seed Corn

Our prices on Seed Corn are based upon normal crop conditions; otherwise prices will be altered to meet market conditions.

We can send Potatoes by parcel post weighing 70 lbs. Potatoes weigh 60 lbs. to the bushel.

If wanted by parcel post allow for postage—1 lb. 7c.; each additional lb. 1c. in 1st & 2d zone.



Certified Irish Cobbler Potatoes

Bliss' Triumph (Stray Beauty). The earliest variety known. This is the "Bermuda Potato" sold so largely in our city markets during the early spring. Potatoes are almost perfectly round, with rather deep eyes. Pk. \$1, bus. \$3.50.

Northern-Grown Seed Potatoes

GROWN ESPECIALLY FOR SEED

Rural Russet. (Certified.) Michigan-grown. The Russet is a robust grower. The vines are stocky and thrifty. A deep-rooted Potato—especially resistant to blight and drought. Apparently not as easily influenced by disease as most sorts. It is an easy Potato to harvest. Is a very good keeper over winter—will store in good shape until late into the spring. Is of good cooking quality, and best of all—a dependable yielder of good crops of tubers. Pk. \$1, bus. \$3.50.

Early Ohio. A few days earlier than the Early Rose, and similar in color and habit of growth; quality dry and mealy. Pk. \$1.25, bus. \$4.

Inspected and Certified Irish Cobbler

An early, white-skinned variety; very short, thick, inclining to round. This is yearly increasing in popularity for the early market. But few varieties, if any, combine earliness, size, and production in as great a degree. The crop is ready for market about ten days earlier than the Early Rose; tubers are uniformly larger and in average production of large crops it is not equaled by any of the extra-early varieties nor greatly surpassed in yield by any of the main-crop varieties. The vine is very stocky and vigorous, not as liable to be affected with blight or to suffer by drought as most others. No other of the early varieties is as dependable as this, and is so certain to produce a crop. Pk. \$1.25, bus. \$4.

*"As Ye Sow, So Shall
Ye Reap"*

SEED OATS

32 lbs. to the bushel. Sow $2\frac{1}{2}$ bushels to the acre

What was true twenty centuries ago is true today—"like begets like" holds good up to a certain extent. This is more true when applied to the Oat than any other cereal. There is always that tendency to reversion or the "seed run out" as we hear it expressed. The heaviest and best of new varieties run out if kept on the one soil too long. To keep the Oat yield up to standard we must continually import from the Oat-growing sections new stock for planting. An Oat that runs from three to six pounds above the standard weight certainly is preferable to one that runs under weight two to four pounds—any farmer can appreciate the difference and realize the difference in yield and feeding-value. Plant good Oat seed.

Swedish Select

Extra-heavy Recleaned Seed

This Oats was introduced a few years ago by the U. S. Department of Agriculture and today is the most largely planted of all varieties in the northern central states. Briefly described, the Oat is pure white in color, the hull is thin, the kernel large and plump, and the straw stiff and strong enough not to lodge. A remarkable root-development makes Swedish Oats a good drought-resister—a special feature on light soils. Season medium early and the earliest of the heavy-yielding sorts. Pk. 40 cts., bus. (32 lbs.) \$1.30, 10 bus. or more, \$1.25 per bus.



Swedish Select Oats

Heavy-Weight Oats

The Michigan stock is a good yielder with plump grains. Reliable and reasonable in price. Bus. \$1.

BEST GRADE BERRY BASKETS



Peach Basket

Made of Sweet Gum

Standard quart and pint-size Baskets for strawberries and other small fruits. Best quality. "Arrow Brand" Berry Baskets are superior to other makes. They are packed securely in cartons of 500.

Arrow Brand. Quart size, \$4.25 for 500.

Anchor Brand. Quart size, \$4 for 500.

Anchor Brand. Pint size, \$3.75 for 500.

Four-Quart Tills. For fruit and pansy plants. 4 cts. each, crate of 250, \$6.

Peach and Tomato Baskets

Containers for marketing peaches, tomatoes, etc. Standard size, made of the best materials. 16-quart, 10 cts. each, \$7 per 100. Bushel baskets, 75 cts. each, \$13 per 100. Ask for lowest prices on quantity wanted.

Celery Cuffs

Bleaches Celery quickly, easily, and cheaply. Made of specially prepared waterproof paper that will last for years. Using them over and over again makes their use inexpensive. 9 x 13 in., 12 for 30 cts. (postpaid 40 cts.), \$2 per 100 (postpaid \$2.20), \$18 per 1,000. Sample on request.

Higher Prices for Your Crops

This amazing new method of plant protection gets you *higher prices* for larger and *quicker* crops

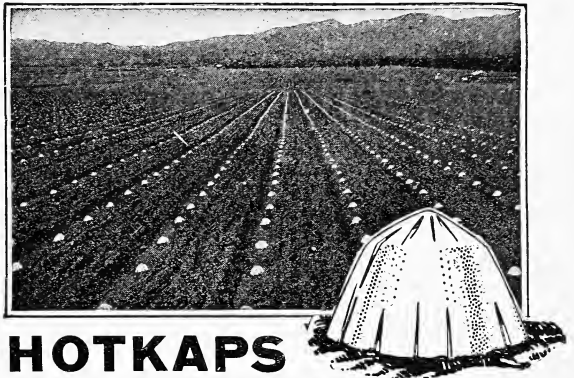
Last year thousands of growers added to the value of their crops by using **Hotkaps**—shown opposite. This remarkable invention consists of a scientifically constructed wax-paper cone that you place over each plant. Thus they are miniature hothouses that protect plants from *frost*, wind, rain, insects, and ground-crusting.

Hotkaps not only protect plants, but make them grow *hardier* and *faster*. Thus you get a greater crop-production to *market earlier* for *higher prices*!

You can add to your next year's profit with **Hotkaps**. They cost but a fraction over a penny each. One man can "set" 3,000 **Hotkaps** per day. They not only bring you higher prices, but are a method of crop insurance—against the danger of the elements.

Use them on any or all crops of vegetables, even Sweet Corn. It gets those crops in market two to three weeks sooner than without them. Growers in 48 states used them last year—7,000,000 were used in one state alone. We urge all our customers to use them.

Parcel Post Weights. 1,000 package HOTKAPS, 26 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Steel Hotkap Setter, 3 lbs. Postage extra.



HOTKAPS

AN INDIVIDUAL HOTHOUSE FOR EACH AND EVERY PLANT, PROTECTING THEM FROM FROST AND OTHER ELEMENTS, MATURING CROPS EARLIER, AND KEEPING INSECTS OUT AND SOIL SOFT.

Prices: 1,000 lots, \$11.50; 5,000 lots at \$11; 10,000 lots at \$10.75. Trial pkg. (250), including Special Type Garden Setter, \$4. Standard Germaco Hotkap Setter, \$2.50.

If you need Hotkaps for your back-yard garden, note these prices: 50 with Garden Setter, \$1.50; 100 with Garden Setter, \$2.25; Garden Setter alone, 50 cts.

CEL-O-GLASS

THE REAL GLASS SUBSTITUTE

CEL-O-GLASS is needed wherever there is a window. It is ideal for laying-houses, colony houses, brooders, barns, and other farm outbuildings. **CEL-O-GLASS** is also ideal for hotbed sash, coldframes, fronts, sides, and interior partitions of greenhouses. Write for sample and booklet FREE.

In rolls one yard wide, \$1.25 per yard, 15 yds. or more, at \$1.21 1/2 per yard; full roll (50 feet, 16 2/3 yards), \$20.25 (postage extra, 1 yard 10 cts., each additional yard 2 cts.).

GLASS CLOTH for Poultry and Brooder Houses, Etc.

Glass Cloth can be used to advantage on poultry-houses, poultry scratch-sheds and little chick brooders, hotbeds and coldframes, sun-porches, and other places where an inexpensive light weatherproof material that sheds a soft warm even light, full of ultra-violet rays is desired. Glass Cloth is put up in rolls 36 inches wide. Yd. 40 cts., 5 yds. \$1.75, 15 yds. \$5 (postage extra, 1 yard 7 cts., each additional yard 1 cent).



*The CYCLONE
is the Best Selling
Broadcast Seed Sower
in the World!*

\$2 (postpaid \$2.25).

Fertilizers, Manures, Plant Foods



Plant Food

Sacco Plant Food

A complete and odorless Plant Food prepared for house plants. It is immediately soluble in water, quick in action, enabling you to see its effect in a few days. An excellent and safe Plant Food to restore color and promote vigorous, healthy growth and a profusion of bloom. Lb. pkg. 25 cts. (postpaid 35 cts.).

MAKES THINGS GROW!

SACCO is a specially prepared Plant Food for the development of fine LAWNS, GARDENS, SHRUBS, FLOWERS, and TREES

Very Effective and Economical

A light application once or twice a year will keep the lawn, garden, etc., growing in excellent condition.

RECOMMENDED BY HIGHEST AUTHORITIES

Clean, Odorless—Easy to Apply

1-lb. can. . . \$0 25	Postpaid \$0 35	25-lb. bag. . . \$1 75
5-lb. bag. . . 50	65	50-lb. bag. . . 3 00
10-lb. bag. . . 85	1 05	100-lb. bag. . . 5 00

HOW MUCH SACCO TO BUY

Figure your requirements at 2 to 4 pounds per square, 10 x 10 feet. Simple directions for applying are printed on each package.

ADCO. Converts straw, corn-stalks, dry leaves, and garden refuse, such as leaves, stalks, cuttings, potato bean and pea-vines, etc., into artificial manure. **Adco** is a powder which, when mixed with almost any non-woody vegetable waste and kept moist, gradually converts the mass into real manure fully equal to the farmyard product in fertilizing power, but free from foul odor, flies, weed-seeds, etc. Anybody can make **Adco** Manure. The process is perfectly simple and not at all laborious. 25-lb. bag \$2 (postpaid \$2.35), 100 lbs. \$7.75. Circular on request.

PEAT MOSS. A light brown-colored virgin soil formed years ago by the growth and decay of mosses along the shores of fresh-water lakes. It is free from fungus and weed seeds and is highly absorbent and retentive of moisture, rich in carbonaceous matter, and has no detrimental mineral content. An excellent substitute for manure, and the one best material for mulching all plants and improving the texture of the soil. Trial bag (over 1 bus.) \$1, (postpaid \$1.20); large bale (8 bus.), will cover 240 sq. ft. 1 inch thick, \$3.50.



Pulverized Sheep Manure

"A BAG EQUALS A LOAD"

**Nature's Fertilizer, Kiln-Dried and Pulverized
Free from Weeds—It Makes All Plants Grow**

This is probably the most extensively used of any animal manure by the florists and market-gardeners. The analysis shows it to be a perfectly balanced plant-food.

Pulverized Sheep Manure acts quickly, and is invaluable for all crops that require a quick stimulant at certain stages of development.

Get the genuine Sheep's-Head Brand—do not be fooled with odorless Sheep Manure. If you take the odor away, you take away the most valuable part—the nitrogen.

The genuine Sheep's-Head Pulverized Sheep Manure is a light brown color. It is not burned black like inferior grades. If you cannot smell pulverized Sheep Manure a mile away (figuratively speaking) it is not the real article.

It is prepared by a special drying, screening and grinding process which destroys every weed seed and eliminates every bit of worthless bedding and foreign matter. Only the pure fertilizer in most concentrated and effective form is packed in bags for convenient and economical use.

2 lbs. 15 cts., 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1, 50 lbs. \$1.75, 100 lbs. \$3, 500 lbs. \$13, ton \$45. Special prices on car-lots, f.o.b. factory, on request. By mail, postage extra, 2 lbs. 10 cts., 5 lbs. 15 cts., 10 lbs. 20 cts.

Our Special Garden Fertilizer

(Royster's Quality Trucker 4-8-7)

All growing plants require food. For the garden, where a diversified growing of plants is desirable, we know of no better form of plant-food than Our Special Garden Fertilizer. It contains the right amount and the right kind of plant-food for the growing of crops of all kinds. Contains 4 per cent ammonia, 8 per cent phosphoric acid and 7 per cent potash.

5 lbs. 35 cts. (postpaid 50 cts.), 10 lbs. 50 cts., 25 lbs. \$1, 50 lbs. \$1.75, 100 lbs. \$3, ton \$45 (in 100-lb. bags).



Take an iron-toothed rake and rake the fertilizer thoroughly into the soil

THE TWO MAGIC PLANT CROWERS

NITRATE OF SODA. This is the most soluble and quickly available form of nitrogen or ammonia. It is immediately available to the plants when applied. 1½ lbs. 15 cts., 2½ lbs. 25 cts., 5 lbs. 45 cts., 15 lbs. \$1, 25 lbs. \$1.40, 100 lbs. \$4, ton \$70.

ALUMINUM SULPHATE. Makes soil acid, and for this purpose is much used in the culture of rhododendrons and similar plants. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2.50, 100 lbs. \$7.50.

BLOOD, DRIED. Adds nitrogen and a small amount of phosphoric acid and lime; much used for greenhouse plants, carnations, roses, and the like. Acts quickly. 5 lbs. 75 cts., 10 lbs. \$1.25, 25 lbs. \$2.25, 50 lbs. \$3.75, 100 lbs. \$6.

BONE-MEAL. Pure ground bone. It is rich in nitrogen and phosphoric acid, the two principal plant-foods. Lasting in its effect; especially fine for roses and other blooming shrubs. 5 lbs. 35 cts., 10 lbs. 60 cts., 25 lbs. \$1, 50 lbs. \$1.75, 100 lbs. \$3.25, 500 lbs. \$15, ton \$58.

CATTLE MANURE. (Pulverized or Shredded.) A valuable fertilizer for the garden; carefully prepared by drying and screening. In 100-lb. bags only, \$3 each, 500 lbs. \$14, ton \$48.

COTTONSEED MEAL. Rich in nitrogen and potash; suitable for grain crops, but most largely used on lawns. Use ¾ to 1½ tons per acre. 100 lbs. \$2.75.

LAND SALT. 10 lbs. 25 cts., 25 lbs. 50 cts., 50 lbs. 85 cts., 100 lbs. \$1.25, ton \$20.

HYDRATED LIME. Slaked and pulverized, ready to apply to the soil. Hydrated (Powdered) Lime can be more uniformly distributed than other forms of Lime. Especially prepared for the lawn and garden. Bag (50 lbs.) 75 cts., ton \$18, delivered in the city; (at warehouse, ton \$12).

SULPHATE OF AMMONIA. It is entirely soluble and is immediate in its action. It is a chemical compound of high purity. It is odorless. Apply at the rate of 100 to 200 pounds per acre (¼ to ½ lb. per 100 sq. ft.). Lb. 10 cts., 2½ lbs. 25 cts., 5 lbs. 45 cts., 15 lbs. \$1, 25 lbs. \$1.40, 100 lbs. \$4.

ACID PHOSPHATE (20 per cent). Apply 300 pounds per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. 100 lbs. \$1.50, 167 lbs. (original bags) \$2.25 (delivered in city \$2.50); ton \$25.

ROYSTER'S COMET GUANO (PENNSYLVANIA POTATO GUANO) (3-10-6). A garden and potato fertilizer for the market and home-garden containing 3 per cent ammonia, 10 per cent phosphoric acid, and 6 per cent potash, well balanced in the essential plant-foods for the production of bumper crops of vegetables and potatoes. Lb. 10 cts., 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. \$1, 50 lbs. \$1.75, 100 lbs. \$3, ton \$39.

ROYSTER'S BANNER GUANO (2-8-10). An excellent fertilizer for potatoes, corn, and small grains, containing 2 per cent ammonia, 8 per cent phosphoric acid, and 10 per cent potash. Apply 300 to 1,000 pounds per acre. Bag (125 lbs.) \$3, ton \$40.

ROYSTER'S RATIONAL GUANO (1-9-4). A complete fertilizer that is used successfully and with good results on small grains, especially on land that has received application of stable manure and lime. Bag (125 lbs.) \$2.25, ton \$30.

ROYSTER'S BULLY GUANO (2-8-5). A better grade of fertilizer for small grains and corn, as well as the most popular and widely used grade for general farming purposes, supplying sufficient plant food in the right proportion for most plants. Bag (125 lbs.) \$2.50, ton \$35.

The Part Fertilizers Play in the Development of Plants

Fertilizers are the bread, meat, and milk in the diet of plants. There is nothing mysterious about fertilizers. Plants must be fed. If the soil in which they are grown is deficient in plant-food, it must be supplied, and in such quantities as the plant can assimilate it.

Commercial fertilizers are sold upon the analysis of plant-food they contain, the condition, mixing, and age of the material entering their composition.

The three principal plant-food elements contained in fertilizers are nitrogen, phosphoric acid, and potash. Nitrogen (ammonia) induces a quick, luxuriant growth of stem and leaf. All leafy quick-growing plants require it in an abundant available form.

Phosphoric Acid induces extensive root-development, a profusion of stems and blossoms, hastens maturity, fills out grains and seeds, and causes the plant to have a strong, sturdy, healthy appearance.

Potash strengthens the structure of the plants, colors the fruit and flowers, helps the plant to ward off diseases, and improves the flavor and quality.

Remedies for Insects and Plant Diseases

Insects that suck the juices from plants, foliage, etc., such as lice, green, black and white aphids or fly, mealy bug, red spider and scale, thrust their proboscis into the leaf or stem, and are not affected by stomach poisons, so they must be destroyed by contact insecticides. Those in powder form kill by the breathing pores in the insect's skin; or in liquid form, by being absorbed through their pores. The best contact insecticides in powder form are Hellebore, Slug Shot, Carbola, and Tobacco Dust. The best fluids are Black Leaf 40, Fish-Oil Soap, Kerosene Miscible Oil, Scalegine, Red Arrow, etc.

Insects that eat plants, foliage, vegetables, fruits, flowers, etc., whether bugs, beetles, worms, caterpillars, or slugs, are more quickly and effectually destroyed with a poisonous stomachic insecticide such as Arsenate of Lead, or Hellebore. These, if applied according to directions, are so diluted as to be harmless to vegetation and to animal life. Less poisonous stomachic and contact insecticides are Kerosene Miscible Oil, Slug Shot, Carbola, etc.

NOTICE. Customer pays transportation. Poisons and liquids not mailable. Allow postage on mailable insecticides, if wanted by parcel post.

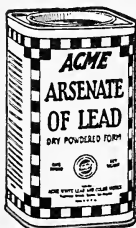
Antrol. The Antrol control is adapted to any size house or garden and quickly destroys all species of sweet-eating ants.

Cottage Sets, containing 4 glass containers and one 4-oz. bottle of syrup. Price, 95 cts.

Extra containers, 15 cts. each.

Extra syrup, 4-oz. bottle, 45 cts.; 1-pt. bottle, 95 cts.

Ant Killer. A very effective and much-needed product for use on lawns, around flower-beds, and the house. 50 cts.



Acme Arsenate of Lead. The most favored arsenical insecticide found on the American market. It is safest to use on tender foliage and sticks well on the leaves. Recommended for fruit trees, vegetables, bushes, and tobacco. Can be used as dust or spray. 1/2-lb. can 30 cts., lb. can 45 cts., 4-lb. bag \$1, 100 lbs. \$15.



Acme All Round Spray. The latest improvement in the insecticide field. One product which will combat blight and fungous diseases, control sucking insects, and destroy chewing insects in one application. Safe to use on almost all fruits, vegetables, flowers, and shrubs. Write for descriptive circular. 1/4lb. 40 cts., lb. 90 cts.

Acme Bordeaux Mixture. Prevents large losses caused by blight, rot, mildew, scab, anthracnose and certain other fungous diseases. It stimulates plant-growth. Almost every kind of vegetable, fruit, and shrub can be greatly improved by the early use of Bordeaux Mixture. Lb. 40 cts., 4 lbs. \$1.15.

Acme Bait-M. An effective insecticide bait. For use against snails, cutworms, sow bugs, grasshoppers, and many other insects which migrate along the ground. 1-lb. can 35 cts.



Black Leaf 40. A concentrated solution of nicotine sulphate; an excellent spray for black aphids and sucking insects of all kinds. Full directions on each package. Oz. 35 cts., 1/2lb. \$1.25, lb. \$2.50, 2 lbs. \$3.75, 5 lbs. \$7, 10 lbs. \$11.85. (Cannot be mailed.)

Blue Stone (Copper Sulphate). Crystals. For making Bordeaux Mixture; best-known remedy for blight. Lb. 15 cts., 10 lbs. \$1.25, 100 lbs. \$7.

Calcium Arsenate. Highly recommended for use on all vegetable plants to kill all eating bugs and worms. Lb. 25 cts., 4 lbs. 75 cts.

Copper Solution Ammoniated. A fungicide the same as Bordeaux Mixture, the essential ingredient, carbonate of copper, being dissolved in ammonia. Qt. \$1.25, gal. \$3.50.

Crow Repellent. Protects corn from rot, birds and animal pests, such as crows, gophers, squirrels, etc. Does not hinder germination. Large can (enough for 2 bus. seed corn), \$1.50; small can (enough for 1 bus.), \$1, postpaid.

Cutworm Killer. It has an enticing odor and attracts worms. 50 cts.

Fish-Oil Soap (Whale-Oil Soap). A spray for insects and eggs on plants; and used as a spreader when spraying with Black Leaf 40. Lb. 30 cts., 5 lbs. \$1.25, postage extra.

Formalin. 40 per cent Formaldehyde. 1/2pt. 35 cts., pt. 50 cts., postage extra, 10 cts.

Grafting Wax. 1/2lb. 25 cts. (postpaid 30 cts.), lb. 45 cts. (postpaid 50 cts.).

Kerosene Miscible Oil. Is especially valuable against all soft-bodied insects. Pt. 50 cts., qt. 75 cts.

Lime-Sulphur Solution. For destroying San José scale. One gallon makes 10 gallons of spray; dilute with cold water. Qt. 50 cts., 1-gal. can 85 cts., 5-gal. can \$3.25, half-barrel (about 25 gals.) \$8.50, barrel (55 gals.) \$13.50.

Mag-O-Tite. Used extensively in the elimination of root maggots in cabbage, onions, radishes, and similar garden crops. 1-lb. tin 50 cts.

Nico-Fume Liquid. A highly refined solution of "Free Nicotine" for the control of aphids, thrips, etc., under glass. 8 lbs. \$11.50.

Paris Green. The strongest insect poison. 1/4lb. 20 cts., 1/2lb. 35 cts., lb. 50 cts., 5 lbs. \$2.25.

Para-Dichlorobenzene (Hooker's Paracide). A successful remedy for controlling the peach borer. Use 1 ounce to a tree. Lb. 50 cts., 5 lbs. \$2, 10 lbs. \$3.25, 25 lbs. \$7, 50 lbs. \$13.

Pyrethrol. A preparation of pyrethrum flowers manufactured according to formula recommended by the Japanese Beetle Laboratory for the destruction of the Japanese beetle. 1/2-lb. tins (makes 4 to 6 gals. finished spray), 50 cts.; 2-lb. tins (makes 16 to 24 gals. finished spray), \$1.50; 10-lb. tins (makes 80 to 320 gals. finished spray), \$6.

INSECTICIDES AND FUNGICIDES

Pyrox

The one best spray for potatoes, tomatoes, cucumbers, melons, and other vegetables, grapes, currants and flowers. Recognized for over a quarter of a century as the standard. Pyrox kills bugs, prevents blights, and increases yields. Get ahead of the crows by treating seed corn with Pyrox. Lb. 50 cts., 5 lbs. \$1.75, 10 lbs. \$3., 25 lbs. \$6.25, 50 lbs. \$10.75, 100-lb. drum \$15.50. Cannot ship by parcel post.

Red Arrow Insect Spray. A non-poisonous, effective contact spray for the control of aphids, Mexican bean beetle, mealy bug, red spider, and white fly. Red Arrow, diluted as directed, is effective for the control of fleas on dogs. It is easy to use, does not harm the operator, domestic animals, or plant foliage. Oz. 35 cts., 3½ ozs. \$1, ½ pt. \$1.75, qt. \$6, postpaid.

Kill-Pest. Flies, roaches, mosquitoes, water bugs, ants, bed-bugs, moths, fleas, lice and spiders quickly succumb to the death-dealing effects of this wonderful insecticide. It kills the flies in the barn and keeps the cattle free from lice, but does not discolor the hair or injure the hide. Pt. 75 cts., qt. \$1.25, gal. \$3.50, 5 gals. \$15.

Scalecide. The latest and best spray for San Jose scale, cottony maple scale, and pear psylla. It is not poisonous, being simply a mechanical preparation of petroleum oil that instantly mixes with cold water and is immediately ready to apply. One gallon of Scalecide to 15 gallons of water sprayed on your trees and bushes, will kill every scale that it reaches without injury to tree or fruit if applied in late fall, winter, or early spring, while the foliage is off. Qt. 70 cts., gal. \$1.60, 5 gals. \$6, 15-gal. drum \$11.50 (\$2 rebate allowed on return of drum), 30-gal. bbl. \$22, 50-gal. bbl. \$29.

Snarol. An effective bait for slugs, cutworms, snails, grasshoppers and other garden pests. Does not deteriorate from rain or sprinkling. Lb. 45 cts., 3 lbs. 95 cts.

Spray Lime. Pebble Lime for mixing in Bordeaux Mixture. Steel drum (192 lbs.) \$3.50.

Sulfocide. A highly concentrated non-poisonous liquid sulphur fungicide used as a summer spray on peach and other stone fruits in combination with Kayso and Arsenate of Lead. Pt. 70 cts., qt. \$1, gal. \$2.75, 5 gals. \$8.75.

Sulphur, Powdered. Lb. 5 cts., 100 lbs. \$2.75.

Tobacco Dust, Fine. For green and black aphids, flea beetles, etc. Splendid fertilizer and preventative for insects in the ground and around roots. Lb. 10 cts., 5 lbs. 35 cts., 100 lbs. \$3.75.

Tobacco Powder. Gold Leaf Brand is especially prepared for the control of round worms in poultry. It is guaranteed to contain not less than one per cent more than one and one-half per cent of actual nicotine. Use two pounds to one hundred pounds of dry mash. Lb. 15 cts., 5 lbs. 60 cts., 10 lbs. \$1, 100 lbs. \$7.50.

Volck. A spray for the garden, nursery and greenhouse; effectively controls red spider, mites, white flies, scales, mealy bugs, caterpillars, aphids, thrip, etc.; not only kills the insects but also acts as a repellent. ½ pt. 50 cts., pt. 75 cts., qt. \$1, gal. \$3.

Weed and Ivy Killer. Qt. 60 cts., ½ gal. \$1.

Water Glass

For preserving eggs. Pt. 15 cts., qt. 25 cts.

Dusting Materials

For the control of certain insects and plant diseases

Carbola. As a dust it is recommended for vegetable and flower-garden, controlling such insects as the aphid, cabbage, and other worms and insects. 5 lbs. 75 cts. (postpaid 90 cts.), 10 lbs. \$1.25 (postpaid \$1.45), 50 lbs. \$5, postage extra.

Carbola Duster. 17 in. long. \$1.25 (ppd. \$1.40).

Cyanogas (Calcium Cyanide). "G" grade for greenhouse fumigation. 5 lbs. \$3, 25 lbs. \$10. Circular on request.

Cyanogas. "A" dust for the control of ants, rats, etc. 1-lb. can 75c. Interesting circulars on request.

Corona Coppercarb. A copper carbonate dust, and an efficient fungicide for treating wheat smut. 5-lb. carton (will dust 25 bushels), \$1.

Hellebore, Powdered White. Can be used as a powder or dissolved, 1 ounce in 3 gallons of water. ½ lb. 35 cts., lb. 60 cts.

Kayso. Spreads the spray and makes it stick. Used in connection with Arsenate of Lead, Sulfocide, and other sprays. ½ lb. 15 cts., 10 lbs. \$2.50.

Niagara A-1 Mixture. For the control of aphids and red bugs. The best contact dust for sucking insects. Lb. 25 cts., 10 lbs. \$1.80, 100-lbs. \$16.50.

Niagara Copodust. A copper fungicide without poison for the control of blight on celery, potatoes, and other vegetable crops. Lb. 15 cts., 10 lbs. \$1.50, 100-lb. drum \$10.

Niagara Copotex. A new, exclusive copper-lime dust with poison added for the control of blight, bugs, and slugs on potatoes, cabbage and other vegetable crops. Lb. 20 cts., 10 lbs. \$1.50, 100-lb. drum \$12.

Niagara Kolodust. A sulphur fungicide of infinite fineness. Lb. 10 cts., 10 lbs. 75 cts., 100 lbs. \$6.50.

Pomo-Green. The Leaf-Green Kolodust used for the control of many diseases and external chewing insects on flowering plants and shrubs. Lb. 50 cts.

Slug Shot. A non-poisonous powder insecticide that is especially useful in the control of the spotted or striped cucumber beetle on melon and squash. 1-lb. carton 20 cts. (postpaid 30 cts.), 5 lbs. 60 cts. (postpaid 75 cts.), 10 lbs. \$1.10.

Treat All Your Seeds Before Planting

Semesan. This may be used as a dust or liquid to cleanse seeds of fungous diseases before planting. Easy to apply. Costs only ¼ to 1 cent per pound of seed. Recommended for flower and vegetable seeds. 2 ozs. 50 cts., lb. \$2.75, 5 lbs. \$13.

Semesan Jr. The dust disinfectant for seed, field and sweet corn. Controls corn root rot diseases. Generally increases yield 10 to 15 per cent. 4 ozs. 50 cts., lb. \$1.75, 5 lbs. \$8.

Semesan Bel. The instantaneous dip treatment for white and sweet seed potatoes. Controls such seed-borne diseases as scab, rhizoctonia and black-leg. 4 ozs. 50 cts., lb. \$1.75, 5 lbs. \$8.

Insecticides containing poisons cannot be sent through the mails. Except where the postpaid prices are given, they must be sent by express or freight.

Spray Pumps, Nozzles and Fixtures



Dusting Celery with the Peerless Dust Gun

The **Peerless** is adaptable for dusting all ground crops and fruit trees. It is a perfectly balanced machine—load is divided front and rear. The hopper containing the material is in the rear of the operator, the crank is directly in front, allowing a full and free arm movement without straining the shoulder. There is a body support attached to a universal joint, permitting the operator to direct the gun to a wide range of action. **No. R2.** \$22.50.



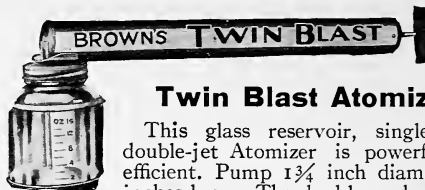
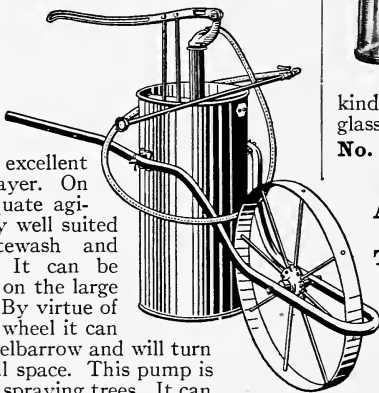
No. 9 Auto-Spray

Auto-Spray No. 9 with the corrugated tank is the most modern and up-to-date sprayer on the market. Will handle all spraying solutions. Recommended for small trees, field and garden crops, poultry houses, vines, etc. The best sprayer that money can buy. Galvanized tank \$6.50 (postpaid \$6.75). Brass tank \$9 (postpaid \$9.25).

Auto-Spray

The Auto-Spray No. 3 is the most powerful and durable wheelbarrow sprayer we manufacture. It is an excellent general-purpose sprayer. On account of its adequate agitator, it is especially well suited for handling whitewash and cold-water paints. It can be easily moved about on the large single wheel truck. By virtue of its having only one wheel it can be handled as a wheelbarrow and will turn around in very small space. This pump is used extensively for spraying trees. It can also be used in the garden.

Auto-Spray No. 3 is made in two styles with either brass or galvanized tank. While the brass machine is more expensive, in every case the brass machine will last much longer to warrant the additional cost. **No. 3-C.** Brass tank. Capacity 12 gals. With truck. 20-in. wheel. \$30.
No. 3-D. Like above but galvanized tank. \$20.



Twin Blast Atomizer

This glass reservoir, single-acting double-jet Atomizer is powerful and efficient. Pump $1\frac{3}{4}$ inch diameter, 18 inches long. The double syphon tubes throw a large blast of fine spray. Excellent for cattle fly spray and all-round spraying. Drip cup in can top. Jar has Mason thread and any fruit jar can be used. Metal parts are of extra-heavy tin plate. Brown's Twin Blast, 1 qt., 70 cts. (postpaid 85 cts.).

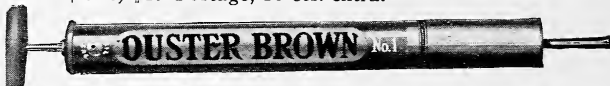
The Bronco Sprayer

An economical Compressed-air Sprayer of $\frac{3}{4}$ gallons capacity. It is made of heavy copper-bearing galvanized steel sheet with pressed steel locking cap.

It is used for spraying around the home, in the garden, for field crops, garden truck, etc. \$4.75 (postpaid \$5).

Ace Hand Sprayers

These atomizers are our latest number and have lithographed tin pumps and glass tanks. They come in two sizes: Ace Jr. (pt. size) 75 cts.; Ace Sr. (qt. size) \$1. Postage, 10 cts. extra.



Duster Brown No. 1

This Duster is adapted for use with all insect powders. A favorite with the housewife. Powder chamber $1\frac{3}{4}$ inches diameter, 4 inches long. Pump $1\frac{3}{4}$ x 12 inches. 50 cts. (postpaid 60 cts.).



No. 26 A. G. Continuous Atomizer

No more ruined sprayers because of rusted or corroded tanks. This glass tank Continuous Atomizer is the newest and most practical sprayer of its kind. Will last for years. Lithographed tin pump, glass jar tank, 1 qt., \$1.25 (postpaid \$1.40).

No. 26-B. Approximately 1 quart tin pump lithographed, brass tank; continuous atomizer. \$1.25 (postpaid \$1.40).

Auto Spray No. 7 Bucket Pump, with brass cylinder. \$6.50.

TRACTION SPRAYER. Iron Age No. 357N, with Nixon Boom, complete for \$265.

POWER SPRAYER. Special Union Leader, with 4 hp. engine attached. \$426.

NON-KLOG JR. SPRAY NOZZLES. Angle or straight, 75 cts. (postpaid 80 cts.).

BRASS EXTENSION RODS. 2 feet long. 50c.

A complete line of other Nozzles and Connections

Dust Mask

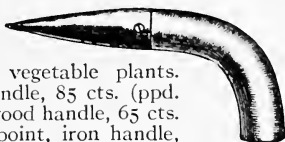
For protection against poisonous dusts and sprays

A carefully constructed breathing mask for protecting the nose, mouth, throat, and lungs. Ppd. \$2.25.

Miscellaneous Garden Supplies

Dibbles

For transplanting vegetable plants. Brass point, wood handle, 85 cts. (ppd. 95 cts.); Iron point, wood handle, 65 cts. (ppd. 75 cts.); Iron point, iron handle, 75 cts. (ppd. 85 cts.).



Trowels

Ladies' Garden, No.

94. Wood handle; 6-in. blade. 15 cts. (postpaid 20 cts.).

Garden, No. 213. Wood handle; cast-steel blade. 25 cts. (postpaid 30 cts.).

Asparagus Knife. Long, 21-inch handle, 75 cts. (postpaid 85 cts.).



Excelsior Finger Weeder. This five short-prong Weeder is excellent for loosening the soil in small flower-beds, etc. 15 cts. (postpaid 20 cts.).

Lang Weeder

A hand Weeder for working hotbeds, flower-beds, etc. 25 cts. (postpaid 30 cts.).



Doo-Klip Grass Shear, \$1.50

With the natural up and down motion. Better, stronger, keener cutting, self-sharpening, and self-tensioning blades. \$1.50, postpaid.



The Perfecto Flower-Box

Self-Irrigating, Air-Circulating, Drainage

Finish: Old ivory, red, or green Postpaid

20 in. long, 6 in. deep, 7 in. wide.....\$1 00
26 in. long, 6 in. deep, 7 in. wide.....1 50
32 in. long, 6 in. deep, 7 in. wide.....2 00
38 in. long, 6 in. deep, 7 in. wide.....2 50
44 in. long, 6 in. deep, 7 in. wide.....3 00

Pot Labels. Painted. 4½-in., 10 cts. per doz. (ppd. 15 cts.), 40 cts. per 100 (ppd. 50 cts.).

Copper Wired Plant Labels. Painted. 10 cts. per doz. (ppd. 15 cts.), 40 cts. per 100 (ppd. 50 cts.).

Garden Labels. Painted. 12-in., 40 cts. per doz. (postpaid 50 cts.), \$2 per 100 (postpaid \$2.15).

Peerless Glazing Points. Box (1,000) 85 cts. (postpaid \$1).

Round Plant Stakes. These are painted green and nicely tapered and finished. 3-ft., 8 cts. each, 75 cts. per doz. (postpaid 90 cts.); 4½-ft., 2 for 25 cts., \$1.25 per doz. (postpaid \$1.45).

Bamboo Stakes. 4-ft., 6 cts. each, 65 cts. per doz. (postpaid 80 cts.); 6-ft., 10 cts. each, \$1 per doz. (postpaid \$1.25).

Inoculate WITH NOD-O-GEN

PLANTS
INOCULATED
WITH
NOD-O-GEN

(BELOW)
NOT
INOCULATED



For Legume Crops

The cheapest and easiest way of improving crops and soil.

The Legume crops when not inoculated rob the soil; inoculated with the right bacteria, they feed the soil, grow more vigorously and contain a higher percentage of valuable feed proteins.

Nod-O-Gen Easiest and Surest Form of Inoculation

Nod-O-Gen is a scientific pure culture of root nodule bacteria, prepared on special food jelly in bottles with patent stoppers which permit the bacteria to live and breathe and maintain their vigor. Each culture contains plenty of bacteria to inoculate the quantity of seed marked on the bottle. The cost per acre is very small.

Moreover Nod-O-Gen is easiest inoculation to use, requiring no equipment or experience. Takes only a few minutes. Complete directions on every bottle. Results are sure.

Alfalfa, Sweet Clover, Red and other Clovers (specify which):

1/4-bus. size.....\$0 60
1-bus. size.....1 00
2 1/4-bus. size.....2 00
5-bus. size.....3 50

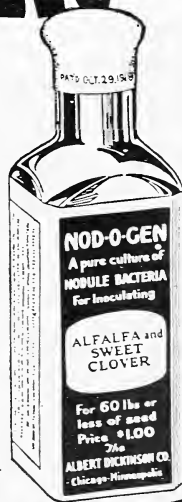
Soy Beans, Field Peas, Beans, and Vetches (specify which):

1-bus. size.....\$0 50
5-bus. size.....2 00

Garden Peas, Sweet Peas, Garden Beans, and Limas:

Garden Size.....\$0 25

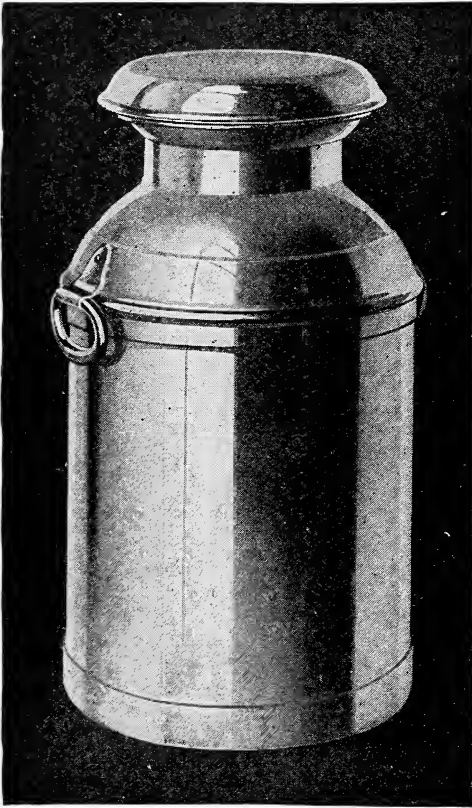
Always specify names of crop as well as size of culture wanted



DAIRY SUPPLIES

The dairy business provides a steady and unfailing source of income and is becoming more popular. As the population in the cities increases, the demand for dairy products becomes greater. Few, indeed, are the farmers in the East who have not felt this urge, and dairy farmers are gradually supplanting the straight, grain-producing ones.

It is our desire to cater to the farmer's wants, to be of service to him in supplying his needs. Realizing the need of a place where the dairy farmer can procure all the requisites necessary to the dairy business, we have met this need by adding dairy supplies. We are able to furnish all the things necessary to the dairy farmer by parcel post, express, or freight. We are listing in our annual seed catalogue some of the more important items, and we ask the interested farmer to look over our offerings.



NEW YORK PATTERN MILK-CANS. Standard heavy weight shipping Cans. Umbrella top; malleable steel drop handles. 20-qt. size \$3.50; 30-qt. \$4.25; 40-qt. \$4.50.

CLEVELAND PATTERN MILK-CANS. Same price, weight, and style as New York pattern, except that they have stationary upright malleable steel handles.

TIGER PATTERN MILK-CANS. Lighter weight than the above patterns with upright malleable steel handles and umbrella tops. 20-qt. size \$3.25; 30-qt. size \$3.75; 40-qt. size \$4.25.

CREAM SEPARATOR CANS. 20-qt., with spigot and glass, \$2.75; without spigot or glass, \$2.25.

LISK QUALITY MILK-PAILS. Plain, 14-qt. \$1.75; Hooded, 14-qt. \$2.10.

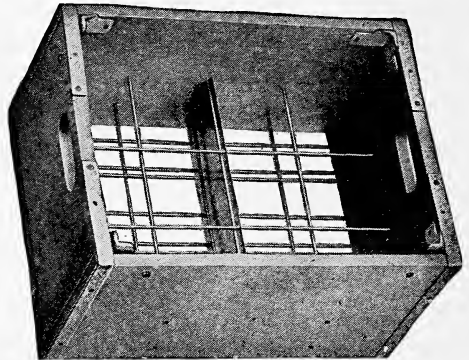
SNAG-PROOF RUBBER APRONS. Acid-proof, steam-proof, and hot-water-proof. Light weight 75 cts.; medium \$1; extra-heavy and large \$2.25, \$2.50, and \$2.75 postpaid.



Bottle-Caps

Our Milk Bottle-Caps are made of the famous Fulton Board and thoroughly paraffined.

Lb. (500 caps, tubes) 35 cts. (postpaid 45 cts.)
 10 tubes (5000 caps) \$3 (postpaid \$3.25.)
 50,000 caps, in tubes, your design. \$21 00
 50,000 Lift Right in tubes, your design. 22 50



Bottle-Cases

Standard wood Cases, made of hardwood, with strong steel rod partitions and cast-iron piling lugs.

	Each
Quart size. Standard. Holds 12 quart bottles. . .	\$1 75
Pint size. Standard. Holds 20 pint bottles. . .	1 75
Pint size. Built up. Holds 16 pint bottles. . .	2 00
½-pint size. Built up. Holds 20 ½-pint bottles. 2	25
½-pint size. Built up. Holds 16 ½-pint bottles. 2	25

In lots of 10, ten per cent off.

TEAT DILATORS. Dr. Naylor's Medicated. Heals the teat and keeps it open. Packed in medicated ointment. 50 cts. per doz., \$1 for 3 doz., postpaid.

LISK SANITARY STRAINERS. Two sizes, \$2.25 and \$2.50.

COTTON PADS FOR STRAINERS. Carton of 100 for \$1 (postpaid \$1.10); 300 for \$2.75 (postpaid \$2.90).

We are distributors of the Star Line of Barn and Dairy Equipment. Catalogue supplied on request

Milk Bottles

The Milk Bottles, manufactured by the Thatcher Manufacturing Co., are made of the best material. They do not have that bluish cast which is found in inferior bottles, but are clear white, showing to advantage the quality of the milk. It is the only bottle made that will not chip off when machines are used in cleaning. Prices subject to change. Shipped and packed in cases of $\frac{1}{2}$ gross only. F. O. B. Williamsport, Pa.

Quarts, \$8.50 per gross, $\frac{1}{2}$ gross \$4.35

Pints, \$6.50 per gross, $\frac{1}{2}$ gross \$3.35

$\frac{1}{2}$ pints, \$5.50 per gross, $\frac{1}{2}$ gross \$2.85

10 gross lots, 25 cts. less per gross.

25 gross lots, 50 cts. less per gross.

Name Plates on milk bottles, \$2.50 for each size.

We are jobbers of Thatcher Milk Bottles. Orders shipped from factory average about \$1 less per gross than above prices. We cannot ship less than 1 gross of each size, of named Bottles from factory.



Bottle-Brushes



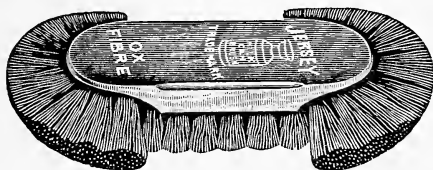
Made of selected hair and spiral wound.

All Bottle and Milk-Can Brushes sent by Parcel Post, 10 cts. extra.

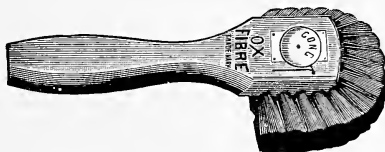
Hand Bottle-Brushes. 10-in. handle, flat top, 60 cts. each; pointed top, 50 cts. each.

Machine Bottle-Brushes. Short handle, flat top, 60 cts. each; pointed top, 50 cts. each.

Milk-Can Brushes



Jersey. Ox-fibre. 50 cts. each.



Gong. Ox-fibre. 50 cts. each.

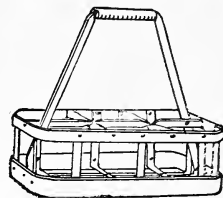
Wyandotte Cleaner and Cleanser

A cleanser especially prepared for dairy purposes. It contains no grease, lye, caustic, acid, or preservatives. It makes no suds. It is pure and purifying. Wyandotte is used and recommended by every State Dairy School and Agricultural College in this country and Canada. Its use is universally endorsed by Dairy and Pure Food Inspectors, as well as Boards of Health. 5 lbs. 45c., keg (80 lbs.) \$5.29, barrel (280 lbs.) \$15. A 5-lb. bag for trial, 55 cts. postpaid.

Perfection Bottle-Carriers

Made of plain annealed steel bands.

Will carry quarts, pints, and half-pints.



6-bottle size. Pint or quart. \$1.75 each.

8-bottle size. Pint or quart. \$2 each.



Champion Milk Coolers

For aerating and cooling milk.

	Each
No. 2. 10 to 25-cow size.....	\$9 00
No. 3. 25 to 50-cow size.....	11 00
No. 4. 50 to 100-cow size.....	14 00

D-B

STERILIZER
DISINFECTANT
DEODORANT
PURIFIER
GERMICIDE

D-B has many times the power of undiluted carboic acid for killing germs of disease and the bacteria which cause decomposition and odors in milk-containers and utensils. Odors are caused by bacteria. D-B removes the odor by destroying the cause. It leaves no odor of itself. Circular on request. Qt. 75 cts., gal. \$1.75, 5 gals. \$7.50.

We cannot ship D-B by Parcel Post



Beautiful Poultry Calendars

WOULD YOU LIKE ONE?

Would you like to have a beautiful, practical Poultry Calendar—twelve monthly service bulletins written by experts? Each month shows a different picture, and on the back of each sheet are helpful, seasonable suggestions and advice on how to plan and equip a poultry-farm; how to build laying- and brooder-houses; how to feed and care for baby chicks, growing stock, and adult birds; how to cull the flocks; what to do to prevent or cure diseases; and a complete egg-record on page 13. In fact, it is a regular reference, always

handy and ready as it hangs on the wall.

One of these beautiful helpful Calendars free on request at our store (if wanted by mail, enclose 4 cents for postage). In the meantime, may we remind you that an order for Baby Chicks will be appreciated and will have careful attention, with delivery at nearly any time you may choose.

PLAN NOW TO RENEW YOUR FLOCK

WITH OUR HEALTHY VIGOROUS BLOOD-TESTED CHICKS



Produced from the Best Breeding Stocks Obtainable

To raise profitable poultry it is first necessary to obtain Baby Chicks from healthy, strong, vigorous, heavy-laying parents. The flock-owners of our Blood-tested Strain coöperate with the state authorities by keeping only those layers and cockerels for breeding purposes that pass this rigid inspection.

RENEW YOUR FLOCK OFTEN

To maintain high-yielding and profitable stock, each year more and more poultry-raisers renew their flocks with our Blood-tested and Supervised Baby Chicks. Experience has taught the observant poultry-raiser that there is a difference in Baby Chicks, and that the Chicks offered by Chaapel's are livable Chicks of superior quality at reasonable prices.

READY-HATCHED CHICKS

If you have never before started our "Ready-hatched Chicks," you will find in them these money-saving advantages: You can buy our Chicks cheaper than you can hatch them; you will get a better quality and higher vitality Chick; you may have as many as you desire, and don't have to depend on low or high hatchability to have your flock contain the desired number. Many of our satisfied customers have adopted this modern, labor-saving, money-making way of renewing their flock with healthy, vigorous, livable Chicks of superior quality by placing their order early.

Place your Chicks under a brooder with a temperature from 85 to 90 degrees. REMEMBER, for the first ten days heat to BABY CHICKS is as necessary as FOOD

CHAAPEL'S

Official State Supervised Blood-tested

BABY CHICKS

In offering our customers Virginia and Pennsylvania State Supervised Chicks from officially blood-tested flocks, we believe we have the best Chicks obtainable.

What Is Supervised Stock?

Every bird in a Virginia or Pennsylvania supervised breeding flock must conform in a reasonable degree to the standard for the breed as set forth in the American Standard of Perfection. No decidedly off-type, off-color or disqualified bird is permitted to remain in the flock. Every bird must show characteristics demonstrating ability to produce eggs above the average in quantity as well as quality fortified by trap nest records.

What Is Blood-tested Stock?

Under the Virginia and Pennsylvania regulations, which are the most rigid and stringent, every bird of the flock for breeding purposes must be blood-tested for bacillary white diarrhea by an authorized licensed inspector who draws the blood samples and forwards them to the State Pathological Laboratory where the test is made.

If, upon examination, the flock contains any reactors, the reactors must be removed from the flock immediately.

Supervised Blood-tested Chicks

Our Supervised Blood-tested Chicks are produced from flocks in which every breeder is a high producer, and is blood-tested by licensed state officials for bacillary white diarrhea.

Chicks produced under these requirements and regulations have a better chance to live, develop normally, and mature to profit-paying flocks than those produced under less exacting requirements.

If you want quality Chicks, buy our Blood-tested State Supervised Baby Chicks.

We pay the Parcel Post, including the Special Handling charge, and guarantee one hundred per cent safe arrival.

Claims for losses must be signed by postal official at delivery office.

Send order with full remittance in bank check, post office money order, or draft. We cannot ship Chicks C. O. D.

Indicate when you want shipments made. We do not ship less than 25 Chicks of any one variety.

Use the Order Sheet and Envelope combined—it's convenient.

Official State Supervised Blood-tested Baby Chicks

Price-List—February 1 to May 30, 1931

After May 30, write for special prices

	25	50	100	500	1,000
S. C. White Leghorns, Blood-tested.....	\$4 15	\$8 00	\$15 50	\$75 00	\$145 00
S. C. Rhode Island Reds, Blood-tested.....	4 40	8 50	16 50	80 00	155 00
Barred Plymouth Rocks, Blood-tested.....	4 40	8 50	16 50	80 00	155 00
White Plymouth Rocks, Blood-tested.....	4 40	8 50	16 50	80 00	155 00
White Wyandottes, Blood-tested.....	4 65	9 00	17 50	85 00	165 00
Black Minorcas, Blood-tested.....	4 40	8 50	16 50	80 00	155 00

Chaapel's Utility Baby Chicks

Chaapel's Utility Baby Chicks are from flocks of carefully selected, pure-bred stock, true to color and type. Every flock that supplies the eggs from which Chaapel's Utility Stock is hatched has been culled by experts for type, vigor, and egg-production and hatched under sanitary conditions.

Price-List—March 1 to April 30, 1931

After April 30, specially low prices on request

	25	50	100	1,000
S. C. White Leghorns, Utility.....	\$3 75	\$7 00	\$13 50	\$130 00
Brown Leghorns, Utility.....	3 75	7 00	13 50	130 00
Mottled Anconas, Utility.....	4 00	7 50	14 00	135 00
Black Minorcas, Utility.....	4 00	7 50	14 00	135 00
Barred Plymouth Rocks, Utility.....	4 00	7 50	14 00	135 00
S. C. Rhode Island Reds, Utility.....	4 00	7 50	14 00	135 00
White Plymouth Rocks, Utility.....	4 00	7 50	14 00	135 00
White Wyandottes, Utility.....	4 25	8 00	15 00	145 00
Mixed for Broilers, Utility.....	3 75	6 75	12 00	115 00

By giving us Your Order NOW you will be sure of having Chicks at the exact time you want them



Conkey-fed chicks are lucky fellows sure to make profit for you. This famous feed was the first containing buttermilk. It's the **original** buttermilk starting feed and is scientifically balanced to give just what the chicks need the first six weeks. It just does not pay to experiment—feeding chicks is expert business and when you stick to Conkey's you know you are feeding the best possible way and will raise the most chicks. **Contains Y-O** already mixed in, so you do not have to bother with cod-liver oil when brooding indoor chicks, etc. Y-O insures ample vitamins A, B, and D and chicks make wonderful growth with **absolutely no loss from rickets or leg weakness**. Stick to Conkey's and you'll have chicks to be proud of. Lb. 10 cts., 2½ lbs. 20 cts., 5 lbs. 35 cts., 10 lbs. 65 cts., 25 lbs. \$1.25, 100 lbs. \$4.50.

Conkey's Chick Grain. Pure grains only. Made from pinhead oatmeal, cracked white and yellow corn, cracked wheat, cracked peas, Kaffir corn, Milo maize, millet, etc. Feed in combination with Conkey's Buttermilk Starting Feed and Chaapel's Regulator Grit. Lb. 7 cts., 2½ lbs. 15 cts., 5 lbs. 30 cts., 25 lbs. \$1, 50 lbs. \$1.90, 100 lbs. \$3.50.

Growing Grain (Conkey's). Composed of practically the same ingredients as Conkey's Chick Grain, but is made coarser to meet the requirements of growing chicks. Lb. 6 cts., 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. \$1, 100 lbs. \$3.25.

Conkey's Gecco Growing Mash with Y-O. This differs materially in analysis and ingredients from Conkey's Buttermilk Starting Feed, being balanced to continue the rapid growth begun by the Starting Feed. The Growing Mash is a richer feed, higher in protein and bone than the Starting Feed. It also contains a little more fiber and less corn, because corn is heating in summer and also fattening, whereas the developing bird requires muscle and bone-forming materials. Lb. 7 cts., 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. \$1.25, 50 lbs. \$2, 100 lbs. \$3.75.

Pigeon Feed. Two kinds. **Breeders** (no corn) and **Flying** (with corn). Lb. 6 cts., 100 lbs. \$4.

Rabbit Feed, Balanced Ration. 5 lbs. 25 cts., 25 lbs. \$1, 50 lbs. \$1.65, 100 lbs. \$3.

Charcoal, Granulated, Fine and Coarse. Lb. 10 cts., 5 lbs. 35 cts., 25 lbs. \$1.25, 50 lbs. \$2.

If wanted by parcel post, add 7 cts. for first pound and 1 cent for each additional pound



Pratt's Buttermilk Baby Chick Food. A skilled, scientific blend of the finest, purest, nourishing ingredients mechanically pre-digested and processed for full potency in growth and Health Vitamins A and B and Sunshine Vitamin D. No matter what brooding system you use, Pratt's is best. You need not add any cod-liver oil or other supplements. Lb. 10 cts., 2½ lbs. 20 cts., 5 lbs. 35 cts., 15 lbs. 65 cts., 25 lbs. \$1.25, 100 lbs. \$4.25.

Pratt's Chick Scratch Feed. Made of a wholesome variety of pure, clean, carefully selected grains, all cracked to uniform size. There is absolutely no waste in Pratt's. 5 lbs. 30c., 10 lbs. 50c., 25 lbs. 90 cts., 50 lbs. \$1.65, 100 lbs. \$3.



Pratt's Buttermilk Growing Mash. Gives the most growth per pound of feed. Use it from the time chicks are about 6 weeks old until maturity. Rich in nourishment, its elements are processed to give full potency in growth and Health Vitamins A and B and in Sunshine Vitamin D. This is a truly remarkable grower. Lb. 7 cts., 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. \$1.25, 50 lbs. \$2, 100 lbs. \$3.50.

Pratt's Intermediate Scratch Feed. Pure, clean, nourishing variety of sound grains that furnish an excellent balance to any good growing mash. A real value for your money. 5 lbs. 30 cts., 10 lbs. 50 cts., 25 lbs. 90 cts., 50 lbs. \$1.65, 100 lbs. \$3.



Pratt's Buttermilk Laying Mash. Undoubtedly America's greatest egg-maker. The feeding cost of a dozen eggs is lower with Pratt's than with any other feed. It is used by several laying contests and on many of the country's largest successful farms. It is also the finest Mash for breeders, as it is guaranteed potent in the Fertility Vitamin E, as well as in Health Vitamins A and B and Sunshine Vitamin D. You will like this money-making feed. Prices will be based on market quotations.

Pratt's Large Scratch Feed. Exactly balances the Laying Mash. Just clean, pure grain without an ounce of waste. You get your money's worth in this feed. Market prices.

Meat Scrap. Best quality. 45 to 55 per cent protein. Lb. 6 cts., 10 lbs. 60 cts., 100 lbs. \$3.75.

Oyster Shells. Furnish lime to make egg-shells. 5 lbs. 10 cts., 100 lbs. \$1.15.

Grit. For poultry. 5 lbs. 10 cts., 100 lbs. \$1.15.

Chaapel's Regulator—A Combination Grit Necessary for Little Chicks and Laying Fowls

Contains cracked bone for the building of bone and frame, charcoal for the sweetening of the crop and as an aid to digestion. Egg Shell Grit is the proper size for the proper mastication of food, together with other ingredients necessary for the proper grinding of food, body-building material, teeth, and tonic. A most valuable product for the proper raising of little chicks. Keep it before them all the time in a grit hopper or scatter in the litter. 2 lbs. 10 cts., 5 lbs. 25 cts., 25 lbs. \$1, 50 lbs. \$1.75, 100 lbs. \$3. Postage extra, 2 lbs. 10 cts., each additional pound 1 cent.

Poultry Requisites Bring Success

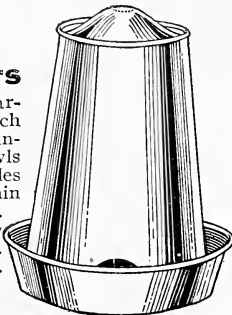
Royal Chick Fountains



Made from heavy galvanized iron in two pieces. Top made with bail for carrying. Base pulls off to fill. Pressure of air and grooves in pan hold weight of water and Fountain may be carried by handle without fear of spilling. Gal. size, 50 cts. (postpaid 60 cts.).

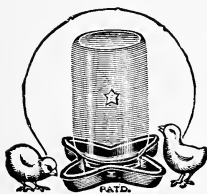
Buttermilk Feeders

Made of heavy, bright charcoal-tin, in two pieces, which can be easily filled when inverted. Oval top keeps fowls off top of Feeder. Large holes permit feeding buttermilk thin or thick. Narrow, deep pan. Absolutely safe for feeding buttermilk or sour milk. Gal. size, 50 cts. (postpaid 60 cts.).



Star Chick Fountains

Star shaped; will fit any Mason jar. We do not furnish jars. 10 cts. each, 3 for 25 cts. (postage extra, 5 cts.).



Felker's Handy Attachment

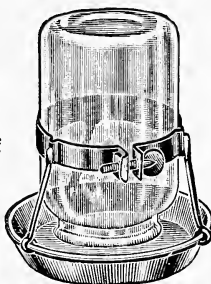
To be used with any make of fruit jar

A PERFECT FEEDER

For sour milk, water, hard grain or grit

The container is made of aluminum, the only metal in which sour milk can be fed with safety. It is rust-proof and non-corroding. The Handy is adjustable, simple to operate and durable. Every one has some kind of a quart fruit jar—the Handy fits them all.

Each.....\$0 25 \$0 30
Half dozen.....1 40 1 55



Pat. applied for

Sell Eggs by Mail

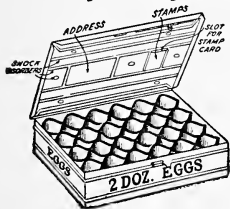
To your city friends. Ship in aluminized

METAL EGG CRATES

Indestructible; pays for itself in a few shipments; lasts for years; makes interchangeable shipping easy. Buy yours now and realize more money for your eggs. Your friends want them.

The Metal Edge Filler is a wonder. A new invention and cannot be beat for safely carrying eggs by mail. Light in weight but strong.

1-dozen size.....\$1 00 6-dozen size.....\$2 50
2-dozen size.....1 50 9-dozen size.....3 25
3-dozen size.....1 75 12-dozen size.....4 00
4-dozen size.....2 00 15-dozen size.....4 75
Postage 10 cts. extra

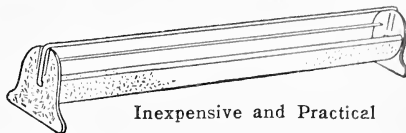


Thermometers

Tycos Incubator Thermometer. 75 cts.
Tycos Certified Incubator Thermometer. \$1.
Tycos Incubator Hygrometer. \$1.65 (ppd. \$1.75).
Brooder Thermometers. 50 cts. (postpaid 55 cts.).

Royal Chick-Trough

With
Adjustable
Wire
Bar



Inexpensive and Practical

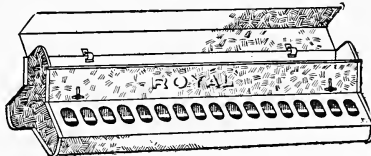
Made from 26-gauge galvanized iron and furnished with extra-heavy rod which keeps chicks off top of Trough and which adjusts down to side of Trough for cleaning or filling without removing. No. 140. Length 24 in. 25 cts. each (postpaid 35 cts.).

Royal Wire-Top Chick Trough



Made in two lengths, stamped from one piece of metal with ends beaded for strength. Ends cannot get loose or come off Trough. Extra-wide and made with wide lip on each side to prevent feed-waste. This carries a hinged wire grill which can be opened for filling or cleaning. 24 in., 50 cts. (postpaid 65 cts.); 36 in., 65 cts. (postpaid 80 cts.).

Royal Chick Hoppers

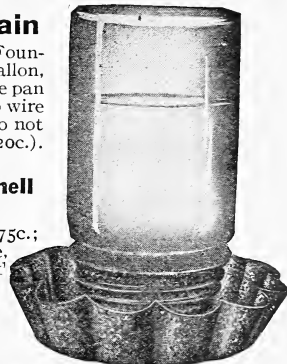


The leader in our Hopper line is made from galvanized iron in two lengths. Hinge-top with new-style hinge, adjustable sides, turned edges on feeding-holes, which are placed high to prevent waste.

No.	Length	Holes	Capacity	Each	Postpaid
42	24 in.	34	12 qts....	\$1 20	\$1 45
63	36 in.	54	18 qts....	1 75	2 00

Automatic Fountain

An absolutely sanitary Fountain made to fit any half-gallon, quart or pint Mason jar. The pan on this Fountain is hinged to wire that supports the jar. We do not furnish jars. 15 cts. (ppd. 20c.).



Grit and Shell Box

Chick size, 75c.;
poultry size,
\$1 (postpaid
\$1.15).



Poultry Punches

Grit Box 25 and 50 cts. Automatic Chick Fountain

Celluloid Spiral Leg Bands

Come in all colors, large and small sizes. Doz. 10 cts., 50 for 30 cts., 100 for 60 cts., postpaid.

Poultry Remedies

Conkey's Old Reliable Powder and Pills. (Formerly Conkey's Roup Remedy and Pills.) 25 cts. and 50 cts.
 Conkey's Diatex. (Formerly Conkey's White Diarrhea Remedy.) 25 cts. and 50 cts.
 Conkey's Head Lice Ointment. 10 cts. and 25 cts.
 Conkey's Poultry Tonic. 25 cts. and 50 cts.
 Conkey's Lice Powder, 2 sizes. 35 cts. and 75 cts.
 Conkey's Balm. (Formerly Conkey's Canker Special.) 50 cts.
 Conkey's Salvo. (Formerly Conkey's Chicken-Pox Remedy.) 25 cts. and 50 cts.
 Conkey's Scaly Leg Remedy. 25 cts.
 Conkey's Stock Remedy. 25 cts. and 50 cts.
 Conkey's Nox-i-cide. Pt. 50c., qt. 80c., 2 qts. \$1.30.
 Conkey's Y-O: 1-lb. pkg. 55 cts.; 5-lb. pkg. \$2; 25-lb. drum \$7.50; 50-lb. drum \$14; 100-lb. drum \$22.50.

Worm Remedies

Round and tape-worms probably cause greater losses in poultry than any other ailment. Poultry should be wormed at least twice a year, preferably in the spring and fall. Circulars on request.

Pratt's N. K. Worm Tablets. For individual treatment. 50 tablets \$1, 100 tablets \$1.65.
 Parke-Davis C-A Worm Capsules. For large round worms and tape-worms; individual treatment. 12 tablets 50 cts., 50 tablets \$1.50.
 Barker's Worm Oil. For flock treatment. Qt. \$1.10.
 Conkey's Worm Powder. For flock treatment. 25 and 50 cts.

All above, postpaid

CONKEY'S POULTRY BOOK FREE

Balanced Foods for Dogs



Ken-L-Ration, The Dog Food Supreme

A complete food, requiring no preparation whatever. It is a balanced food and you cannot improve it by adding thereto. Open a can and serve on clean paper or dish. It is rich in meat, cereal, ground bone, and cod-liver oil. It is not a fattening food, but will keep your dog in perfect health and condition if fed regularly. **Ken-L-Ration** is now so well known as to make a further description quite needless. Feed this product and dog owning becomes a pleasure. 1-lb. can, 15 cts., 2 cans, 25 cts. (ppd. 35 cts.); 8 cans, \$1 (ppd. \$1.20); case, 48 1-lb. cans, \$6.

Pup-E-Ration

Contains red meat, organic iron, calcium phosphate, Norwegian cod-liver oil and marrow-fat—the elements necessary for growth of body, bone, and coat. This is a perfect food for puppies. 1-lb. can, 15 cts. (ppd. 25 cts.); 7 cans, \$1 (ppd. \$1.20); case, 48 1-lb. cans, \$6.24.

Kit-E-Ration, The Cat-Food Supreme

A perfect balanced ration especially produced for cats and kittens. Its ingredients contain elements very essential for their best health and development. 1-lb. can, 15 cts. (ppd. 25 cts.); 7 cans, \$1 (ppd. \$1.20); case, 48 1-lb. cans, \$6.24.



Chappel's Dog Biskit

The Golden Flakes, Cakes, and Crumbs of Energy

Chappel's **Kib-L-Biskit**, **Ken-L-Biskit** and **Pup-E-Crumbles**, are as near perfectly balanced as it is possible to produce in dry form. These foods are made from first clear wheat flour, fresh wholesome meat, egg yolk and cod-liver oil. Every element used in its manufacture is rich in food value and for that reason you will require a less amount of this food in general feeding than you have been accustomed to, when using ordinary dog biscuit. Carton 30 cts. (ppd. 40 cts.); 5 lbs. 65 cts. (ppd. 80 cts.); 25 lbs. \$2.75 (ppd. \$3.10); 100 lbs. \$10.

Glover's Dog Medicines

	Per Bottle		Per Bottle		Per Box ppd.
Mange Medicine	.....\$0 65	Fit Medicine	.....\$0 65	Liver Pills	.....\$0 65
Diarrhea Medicine	.....65	Cough Mixture	.....65	Condition Pills	.....65
Vermifuge	.....65	Eye Lotion	.....65	Kennel Flea Soap	.....25
Distemper Medicine	.....1 25	Tonic	.....65	Worm Capsules	.....65

Free Book on Diseases of the Dog and How to Feed, on request

Kow-Kare, The Great Cow Medicine

Most dairy cow ailments are simple if the source of the trouble is reached. If the organs of production or reproduction are not doing their duty, try Kow-Kare—the medicine for run-down cows. It is especially recommended for the prevention and cure of Abortion, Barrenness, Milk Fever, Scouring, Lost Appetite. Small 50 cts. (postpaid 60 cts.); large \$1 (postpaid \$1.15). **Garget Remedy**, 50 cts. (postpaid 60 cts.). **Bag Balm**, 50 cts. (postpaid 60 cts.).



Dr. Naylor's Medicated Teat Dilators

For the treatment of spider, obstructions, hard milkers, cut and bruised teats, in milk cows. 3 doz. Dilators in Jar Ointment, \$1 (postpaid \$1.10); 1 doz., 50 cts.

Planet Jr. Farm and Garden Tools

Planet Jr. Tools are most carefully designed and constructed, built of the finest materials, and are the most economical because they outlast others and do better work. Catalogue on request.



No. 4 Planet Jr. Hill and Drill Seeder and Single-Wheel Hoe

Price, complete, \$18
As a Seeder Only, \$14.25

Holds 2½
Quarts of
Seed

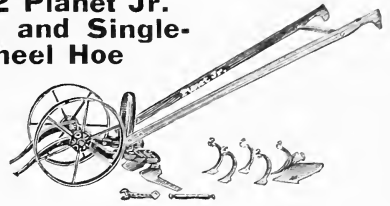
Soon pays for itself in the family garden as well as in the larger acreage. Sows all garden seeds (in drills or in hills), plows, opens furrows and covers.

No. 12 Planet Jr. Double and Single-Wheel Hoe

Price,
\$10.75

A Single
and Double
Wheel Hoe
in one.

Straddles crops till 20 inches high, then works between. The Plows open furrows and cover them. The Cultivator Teeth work deep or shallow. The Hoes are wonderful weed-killers. New 14-in. steel wheels, steel frames, arch, etc. Greatly improved.

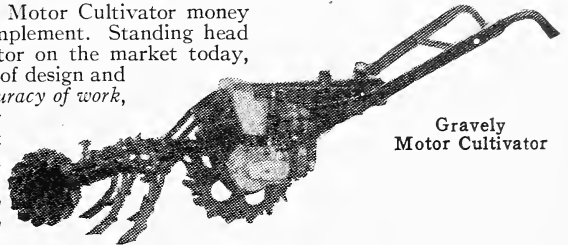


Gravely Motor Cultivator

The **Gravely** is without dispute the greatest Motor Cultivator money can buy. It is a gardener's most invaluable implement. Standing head and shoulders above any other Motor Cultivator on the market today, years ahead of the industry from the standpoint of design and construction, it affords an *ease of control, an accuracy of work, and an economy of upkeep* unmatched by any similar implement. It will do better work, at lower cost, with less physical energy, than you can even anticipate.

Water-cooled Motor.....\$190 00
Air-cooled Motor.....250 00

Catalogue on request.



Gravely
Motor Cultivator

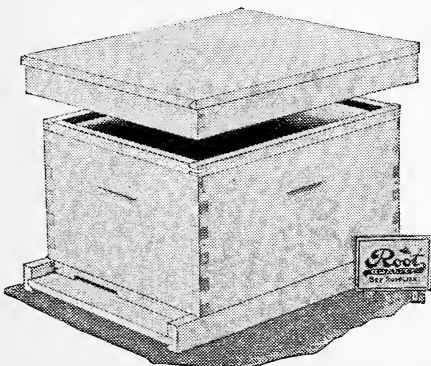
The Barker Weeder, Mulcher and Cultivator

The Barker is three garden tools in one—a weeder, a mulcher, and a cultivator. It has no delicate parts to get out of order and is always ready for use. The cultivator, or shovel attachment, is easily adjusted to the machine.

In general appearance the Barker resembles an ordinary lawn-mower and its principle of operation is much the same. It has eight reel blades, set in revolving reel heads, which revolve against a stationary knife. The knife, which is slightly behind the revolving blades, travels just below the surface, where it cuts the weeds at their roots. Its ends turn up and are connected with the axle outside the heads.

The revolving reel blades, **working in combination with the stationary knife**, destroy the weeds, pulverize the clods, aerate the soil and form a perfect soil-mulch—in **one operation**.

No. 9D. 9-in. blades, \$9.50. No. 10D. 10-in. blades, \$10.60. No. 11D. 11-in. blades, \$11.75.



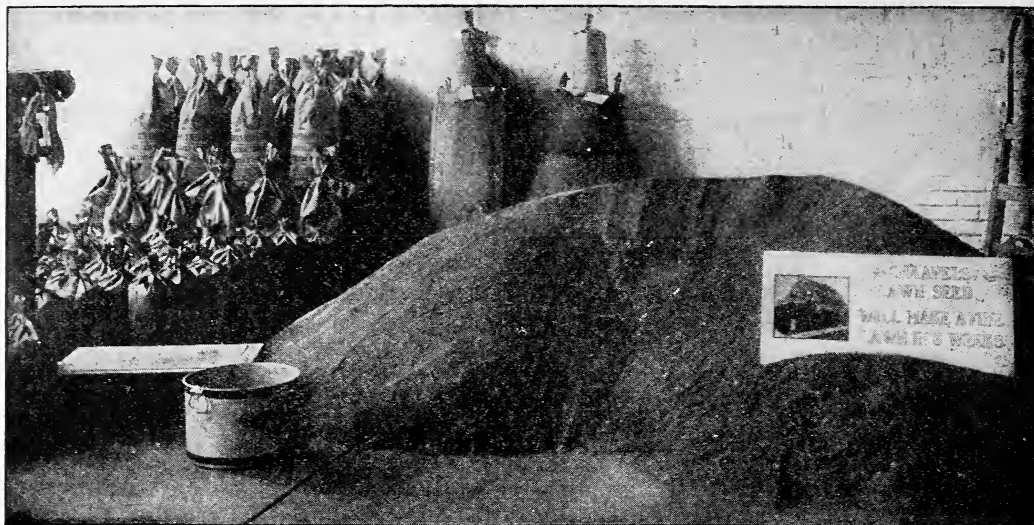
Bee-Keepers' Supplies

This announcement is just to call to your attention and to remind you that we carry here in stock at Williamsport, a complete line of the A. I. Root Bee-Keeper's Supplies, which we sell at the same prices that are found in A. I. Root Co. catalogue. We carry the A. I. Root line because we, as bee-keepers, consider them the best on the market in point of workmanship and material used. Prompt and careful attention will be given to all orders whether large or small.

If you have not already received the A. I. Root illustrated Catalogue of Bee-keepers' Supplies, send for it at once and we will mail it to you.

One story, 10-frame Standard Hive with metal cover as illustrated. K. D. \$3.40, 5 for \$15.20.

Have a Better Lawn This Year



pile of Chaapel's Lawn Seed mixed for our trade

Chaapel's Clover Lawn Grass Seed

The increasing demand for a Lawn Seed containing a larger proportion of White Clover induced us to offer this Mixture, containing a most liberal quantity of best re-cleaned White Clover—it is especially suited for shaded locations and will thrive better under trying conditions than any other mixture. Sow one quart to 200 square feet (10 x 20 ft.). Pt. 20 cts., qt. 40 cts., 2 qts. 70 cts., 4 qts. \$1.30, pk. \$2.50, bus. (30 lbs.) \$10, 100-lb. lots or over, 30 cts. per lb. Postage extra, 5 cts. per qt.

Chaapel's American Lawn Grass Seed

Recleaned and Tested Seed, weighing over 20 pounds to the bushel

Our Mixture can be absolutely relied upon as being made up of the finest qualities of Grass Seed obtainable, free from weed seeds, and of the very best and highest germinating qualities. Mixed especially of Grasses that do best in our soils.

We have sold this Mixture of Lawn Grasses for many years, and positively know that it is surpassed by none; it will stand wear and tear, forming a close, firm, green and lasting turf, retaining its velvety appearance to the last. One quart will sow a space 10 by 20 feet—200 square feet. Ask for our leaflet, "A Few Suggestions on Lawn Making." Qt. 30 cts., 2 qts. 55 cts., 4 qts. \$1, pk. \$1.75, bus. (20 lbs.) \$6.

Chaapel's Shadygreen Lawn Seed

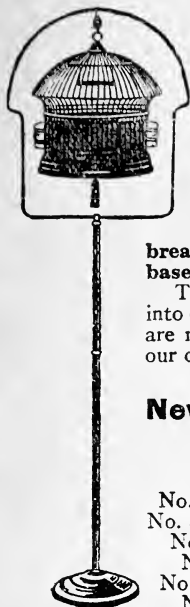
While it is impossible to maintain a permanent lawn in certain shady locations, such as under soft maple trees, we have combined in this mixture certain grasses that are more resistant to these harsh conditions. We recommend this mixture to be especially prepared for shady locations. Sow 1 quart to 200 square feet (10 x 20 ft.). Qt. 75 cts., 2 qts. \$1.25, 4 qts. \$2, pk. (6¼ lbs.) \$3.50, bus. (25 lbs.) \$12.

FANCY WHITE CLOVER. Fine for new or old lawns; easy to grow. ¼lb. 20 cts., lb. 75 cts., postpaid.

Chaapel's Lawn Grass Seeds

have earned an enviable reputation for superior quality, quick germination, and lasting results. Nearly all lawns, private estates, and public parks are using our mixtures, fulfilling the promises made for them. Fertilizers are necessary in making a good lawn. See pages 50 and 51.

Bird-Cages and Supplies



Cage No. 250
Stand No. 63

The Hendryx Cages illustrated are of du Pont Duco colors and brass

These Cages have a solid brass body, brass wire seed-guard, and brass top piece. The wires are of spring brass, riveted to **three cross-rails**. The collar and base are made of sheet metal which has a heavy coating of lead as a protection against rust. Self-locking base hooks. The top piece and base are finished with genuine du Pont Duco in Red, Green, or Blue, and the body is finished in satin-dip brass. Each Cage is equipped with three perches, swing, and **non-breakable pyroxyline seed-cups, colored to match base of Cage.**

They are very attractive, easily kept clean, and blend into other house furnishings. Our Cages are superior. They are made of the finest materials and workmanship. Even our cheapest Cages look well and will give good service.

New Style Hendryx Cages finished in du Pont Duco colors

Brass trimmings, wire guards

No. 2055DB.	Cage. Two-tone; draw-bottom.....	\$7 00
No. S2055.	Stand. Full circle, to match.....	4 50
No. 250.	Cage. Two-tone; draw-bottom.....	7 00
No. 63.	Stand. Full circle, to match.....	4 00
No. 2040.	Cage. Two-color Duco; draw-bottom.....	7 00
No. 34.	Stand. Two-color, to match.....	4 00

Many other styles in stock



Cage No. 2040
Stand No. 34



Cage No. 2055DB
Stand No. S2055

Bird Supplies

Insect Powder Gun. Empty, 15 cts.; with powder, 25 cts.

Cage Springs, Brass. Two sizes, 15 and 20 cts.

Swinging Hooks, Brass. 16- and 12-inch, 30 and 35 cts.

Seed- and Water-Cups, Opal. Open or closed top, 15 cts.; unbreakable Duco colors, 25 cts.

Bird-Baths, Opal. 2 sizes, 15 and 20 cts.

Bird-Bath-House. White, Red, Blue, Green, Brass, 75 cts.

Bird Charm Bells. 15 cts.

Chaapel's Bird Seed. Selected mixed seed. 1-lb. carton 25 cts., 5 lbs. \$1.

Chaapel's Bird Gravel. Red or Silver. Carton 15c.

Chaapel's Canary Seed. Plain for Parakeets. Lb. 25 cts., 5 lbs. \$1.

Chaapel's Sunflower Seed. Selected for Parrots. Lb. 20 cts., 2 lbs. 35 cts., 5 lbs. 75 cts.

Chaapel's Hemp Seed. Recleaned. Lb. 15 cts.

Chaapel's Rape Seed, Sweet German. Lb. 15 cts.

Song Food, Burnett's. 30 cts.

Song Restorer, Drahota's German. 25 cts.

Bird Pep. For Canaries. 15 cts., 2 for 25 cts.

Bird Manna. For Canaries. 15 cts.

Bird Bitters Health Tonic. 25 cts.

Bird Salve. For sore feet. 15 cts.

Bird Balm. For bald spots. 15 cts.

Bird Nesting Hair. For nests. 10 cts.

Bird Cuttle-Bone. In carton. 10 cts.

Bird Mite Powder. Controls mites. 25 cts.

Fullsong Health and Song Restorer. 25 and 50c.

Fullsong Bird Peppers. For moulting, cold, and asthma. 25 cts.

Fullsong Vitamin Seed. Tonic. 25 cts.

Fullsong Color Food. For pepper-fed birds. 25c.

Fullsong Feather-pulling Remedy. 25 cts.

Fullsong Moulting Food. 25 cts.

Fullsong Regulator. Bird conditioner. 25 cts.

Fullsong Nestling Food. 25 cts.

Fullsong Health Grit and Charcoal. 25 cts.



Singing Canary Birds

Can you think of anything that would give your family or friends more real enjoyment? Every bird is carefully selected for song, and satisfaction guaranteed.

Birds can be shipped by express only

Chopper Canaries (Male), \$5.50 each

BIRD SUPPLIES, continued

Fullsong Bird Bitters. Health tonic. 25 cts.

Fullsong Bird Tonic. Health tonic. 25 cts.

Fullsong Foot Ease and Scale Remedy. 25 cts.

Fish-Food

Fish-Food Wafers. 10 cts.

Fish-Food, Natural. 10 and 25 cts.

Turtle-Food. Contains ant-eggs. 15 cts.

Parrot-Feed

Sunflower. Selected for Parrots. Lb. 20 cts., 2 lbs. 35 cts., 5 lbs. 75 cts.

Parrot-Food Mixed. Bottle 35 cts.

Polly Nut Mixture, Burnett's. 25 cts.

Parrot Grit, Bone-Buider. 25 cts.

Parrot Tonic. For colds. 25 cts.



1931
In Business
Fifty-four Years